The National Future Farmer

Owned and Published by the Future Farmers of America

Photo by Bob E. Taylor

April-May, 1958

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OUR COVER—Photo by Bob E. Taylor

Thousands of FFA members throughout the country publicly exhibit quality livestock every year. Vocational argriculture teachers have long realized the value of such an activity in the training of young farmers. Just look at the pride and satisfaction on the face of this Arizona winner!

THE NATIONAL FUTURE FARMER is published bimonthly by the Future Farmers of America, Inc., at 810 Rhode Island Avenue, N. E., Washington, D. C. Entered as second-class matter at the post office at Washington, D. C. Acceptance for mailing at special rate of postage provided for in section 34.40(e).

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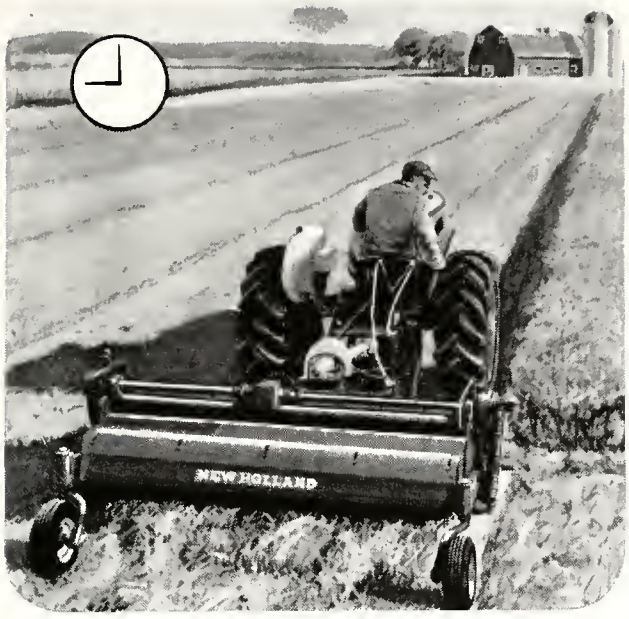

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Crop dryer and wagons dry 10 tons overnight

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Hay-in-a-Day is made possible by the use of a team of machines that work fast, promote quick drying and handle hay gently. It helps a farmer move hay from standing crop to storage in as little as 24 hours.

Mowing and crushing in one early-morning operation makes it possible to rake by early afternoon. Baling begins in the mid-afternoon. Bales are stacked directly on crop drying wagons which are then hitched to an automatic crop dryer—which overnight brings the hay down to the proper moisture content for storage.

The result is green, leafy hay rich in nutrients—the kind of hay that can reduce or even eliminate costly supplemental feeding. For complete details, write for our *free* Hay-in-a-Day booklet. New Holland Machine Company Division of Sperry Rand Corporation, New Holland, Pennsylvania.

NEW HOLLAND *"First in Grassland Farming"*

Tree Talk

by

Will Rusch

Just about every businessman I know would consider $18 to $25 per acre a mighty small investment if he knew his land would steadily increase in value as the years went by.

In a nutshell, that's the "money side" of tree farming, about as sound an investment as any I know of. If you're interested in building a nest-egg (and who isn't?), here are a few facts and figures.

Seedlings purchased from state or privately owned nurseries cost about $5.50 to $15 per thousand, depending on the species and size. You'll probably find that graded seedlings of better height and quality are well worth the slight additional cost. Add labor to the cost of your seedlings and you reach a figure of between $18 to $25 per acre.

Most veteran tree farmers plant about 1,000 trees per acre. On this basis, the seedlings are set out 6 feet apart in the rows with 7 feet between rows. A 7 by 7 planting will give 890 trees per acre and an 8 by 8 setting, 670 per acre.

The idea is to space the trees so the first thinning can bring in some cash by selling the culls for pulpwood. If the trees are planted too closely, they will have to be thinned to prevent stagnation before reaching pulpwood size.

If you've been operating a chain saw for any length of time, you'll probably be interested in a brand new chain the McCulloch folks have just introduced—the exclusive new Pintail.

According to actual tests under the toughest operating conditions, the McCulloch Pintail chain not only cuts faster and much smoother than ordinary chain but lasts up to 50% longer, too! If you've ever had to cut through hard wood or frozen timber, you'll appreciate the ease with which the Pintail gets the job done.

Available for all McCulloch chain saws and many other makes, too, the Pintail chain is fully described in a new folder we've just prepared. If you'd like a copy, just write to me, Will Rusch, McCulloch Tree Topics Bureau, 6101 W. Century Blvd., Los Angeles 45, Calif.

One of the uses frequently overlooked by folks planning to buy a chain saw is construction and building repair. Bud Stammen, New Weston, O., figures he saved about $500 a while back using his McCulloch chain saw to repair some buildings on his 120 acre farm.

"Thanks to my McCulloch, I was able to do most of my own building repairs and build a new hog and farrowing house, too. The lumber for the job came from my 25 acres of oak, maple and elm," Mr. Stammen points out.

No wonder more and more farmers are finding a McCulloch chain saw as much a piece of standard equipment as a tractor or pick-up truck. Try one at your McCulloch dealer and convince yourself it's the best that money can buy. 5—7041

ADVERTISEMENT

Your Editors Say . . .

We are proud to introduce to you another member of *The National FUTURE FARMER* staff. He is John Foltz from Ohio. John joined us on February 17 as Regional Advertising Manager. His area is New York City and vicinity.

John has had a great deal of experience in the FFA since he became a Green Hand a little over 10 years ago. He was president of the Bremen Chapter in Ohio; later elected as district and then sectional vice president in the Ohio Association. John attended his first National Convention in 1949 as a member of the National FFA Band. He served as Ohio State President in 1951-52 and received the coveted American Farmer Degree in 1953.

John Foltz

In college at Ohio State University, John was president of the Collegiate FFA Chapter, a member of the famed University Men's Glee Club, and associate editor of the college magazine. He graduated in June 1955 with a major in Agricultural Education.

Like many other would-be teachers of agriculture, his career had to wait until he had served in the armed forces—the U.S. Navy. True to his chosen profession of teaching, he finished his tour of duty as an instructor at the U.S. Naval Officers Candidate School at Newport, Rhode Island.

John came to us from Dublin, Ohio, where he had been employed since last fall as a teacher of vocational agriculture. Although John's teaching was interrupted, his father has been a vo-ag teacher for 30 years. Mr. Foltz, senior, is currently the FFA Advisor at Bremen, Ohio.

John is married and has a chubby, good natured, 10-months-old son, John Clark. His wife, Anne, is a home economics graduate of Ohio State University.

Your magazine is young in the publishing field and still growing. It's a little over five years old. The staff members are also young; that is, if Jack Benny thinks being 39 years old makes him so. Although a couple of us are neck and neck with Jack, none of us have hit the 40 year mark as yet. Of course, the staff being young doesn't mean that it lacks in FFA experience or that it lacks skill in putting the magazine together. For example, one staff member has over 25 years of FFA behind him.

Within the next few months, members of *The National FUTURE FARMER* staff will be traveling to state FFA conventions and teacher conferences. They have discovered in the past that FFA members and vo-ag teachers are pretty much the same wherever they go—even having similar problems. All members of the staff being former FFA members, and most of them vo-ag teachers, they look forward to meeting you on these common grounds.

They would appreciate your introducing yourself to them at these meetings. They are always willing to hear any comments, good or bad, about the magazine. This will aid us in serving our readers the best way we know how.

Naturally, with our limited staff we cannot in any one year meet with every state group. We always have a magazine to put together and that reduces our time for travel. We also run into the problem of many state groups meeting during the same week, hundreds of miles apart. Whenever we go, we will be certain to return home wiser and richer in experience because of our many individual contacts with you.

We hope you enjoy our new editorial column—"Your Editors Say." We may ramble from time to time in this column, but we have our readers' interest at heart. Let us hear from you.

Spring into Action!

They filter the oil with the greatest of ease—
that's why more new cars are equipped with ACs!

So, when you get your car ready for an action-packed Spring (or your trucks, tractors and stationary engines) . . . do what the majority of owners do . . . install a new AC Oil Filter!

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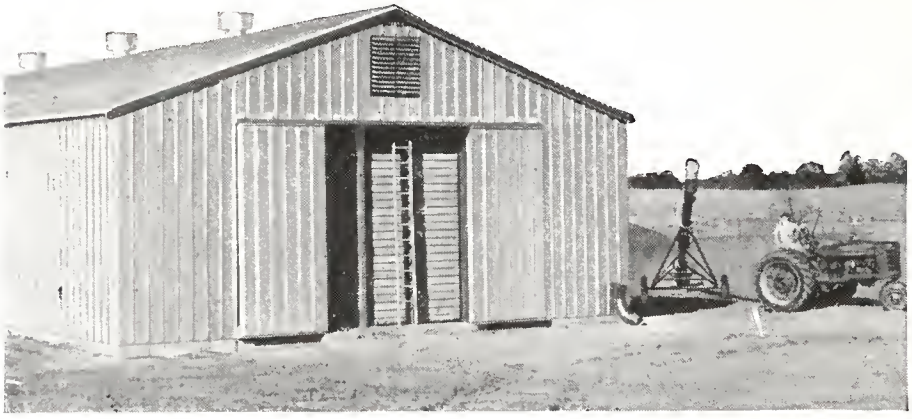

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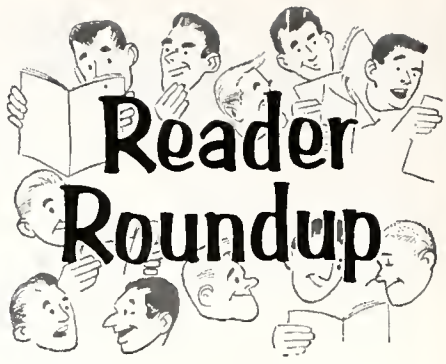

Emerson, Nebraska

I certainly enjoy reading *The National FUTURE FARMER* and think it is the best magazine available. When it arrives in the mail, it is the first thing I look at, and I read it from cover to cover. My mother also enjoys reading it. I wish it was published 12 times yearly instead of just six.

I'm a member of the Emerson FFA Chapter and have held two offices—treasurer and vice president. Out of school now, I'm proud to be farming with my brother and plan to make agriculture my career. Angus cattle being my main project, I have four steers in the feed lot this year.

The Future Farmers of America is one of the best organizations to which a boy can belong. I certainly am proud to be a member of it.

Tim Gilfert

Cima, California

Enclosed find change of address and renewal of subscription for the coming year.

As the mother of a Future Farmer, I can say I feel as though I'm one of them. Since my son joined the FFA four years ago, I've driven the truck for him, groomed dairy cattle, used a pitchfork, and rushed in with the white pants and shirt at the last minute before show time. Then I would sit with the spectators and watch with pride as he showed his animals.

Always his aim was to do his best in competition and have his cows in top condition. It would be difficult to say which of us has enjoyed the experience more. But there are two more sons who look forward to being Future Farmers in a few short years and all the fun will start anew.

Our entire family reads and enjoys *The National FUTURE FARMER* thoroughly. We live and work on a 240,000-acre desert cattle ranch in California. Our Future Farmer continues his education in agriculture at one of our Junior Colleges and is majoring in business agriculture.

Keep up your good work for the boys of America.

Mrs. Nelma Duncan
An FFA Mom

PURINA VISITS ANOTHER FARMER OF TOMORROW

She builds champions... the Purina Way

Although Carolyn Sue Horner of Greenville, Ohio, has barely passed her fifteenth birthday, she has already compiled a show-circuit record many youths far ahead of her in years would find difficulty in matching.

For this youthful Purina feeder has exhibited one grand champion, three reserve grand champions, three champions, and has shown five other individual beeves to blue ribbon honors.

In addition, she has been awarded the Purina trophy once, the Kroger trophy, a professional showmanship award three times, and has been awarded a wrist watch by the John Smith Grain Company of Arcanum, Ohio, for exhibiting the best fitted animal from Darke County, Ohio.

Purina salutes you, Carolyn Sue Horner.

■■■■■■

Carolyn Sue Horner fits her cattle on Purina. You, too, have a Purina Dealer close by, to help you with livestock and poultry feeding and management problems. Whether you are feeding for the show ring, or for the market, remember: Purina will help you produce meat, milk and eggs—at low cost.

Purina Feeder Carolyn Sue Horner, 15, Greenville, Ohio, showed her steer to championship honors on the foir circuit this post summer.

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Needed:

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Today, public policies place artificial and severe restrictions upon the opportunity of any one form of transportation, such as railroads, to serve the public through the use of other means of transportation, such as that by highway, waterway or airway.

Yet, in other industries, diversification of products has become common, and has proved beneficial both to those industries and to the public.

Why shouldn't our transportation agencies, too, be allowed to benefit by diversification?

Clearly, diversification would be to the advantage of the nation's shippers. They could then arrange for their transportation through a single transport company which could utilize any or all means of carriage needed to do the particular job at hand most efficiently. That's why the railroads ask for removal of present artificial limitations.

They seek only the same opportunity as anyone else to enter into other fields of transportation. Then they could become "general practitioners" in transportation — using a wide variety of facilities to serve you more efficiently.

Isn't this common sense?

ASSOCIATION OF AMERICAN RAILROADS
WASHINGTON, D. C.

Poplar Bluff, Missouri

Please change the address on my subscription to: Route 3, Poplar Bluff, Missouri.

Joe Smith

We appreciate the interest you have shown in giving us your new address. However, in order to locate your subscription from among the 225,000 in our files, we must have your old address as well as your new one.—Ed.

New Carlisle, Ohio

I would like to correct a mistake made in the story, "Shooting the 'Wright' Way" in the February-March issue of *The National FUTURE FARMER*.

In the last paragraph of this article you mentioned the American Handicap Tournament at Vandalia, *Iowa*. Vandalia is located only about 20 miles from my home in the State of *Ohio*.

I think Ohioans are proud of the fact that the "Grand American" is held in Ohio.

I like your magazine very much. Keep up the good work.

John Maxson

Meriden, Connecticut

I'm quite interested in getting started in ranching and the raising of beef cattle. I graduated from the Meriden High School in June, 1957, after finishing the vo-ag course. I then attended the University of Connecticut until this month. The courses offered were more for dairy farming and that isn't what I'm interested in.

I would greatly appreciate it if you could advise me of ranches where I could work, or any information you could to help me out. I would like to get a year or so of practical experience and then return to school to further my studies along these lines.

James Murphy

If you have a job for James write him at 20 North 4th Street, Meriden, Connecticut.—Ed.

In Memoriam

Professor Owen E. Kiser, member of the National Board of Directors of the FFA, died January 13. At the time of his death, Professor Kiser was Head State Supervisor of Agricultural Education in New Jersey. He was also State Advisor to the New Jersey FFA.

Educators and FFA members everywhere mourn the passing of Professor Kiser. His friendly smile and understanding nature will always be remembered by those who were fortunate enough to know him.

New! The Handsomest, Hardest Working Farm Hand On Four Wheels!

It's Chevrolet's new Fleetside pickup. It combines new style and load space with stamina and economy that are typical of every truck in the Task-Force 58 lineup!

Take a good look at the best looking pickup of all—Chevrolet's new Fleetside! It's capable of fitting into almost any farm chore you've got — from hauling stones to hauling groceries. It's styled for your pride, engineered for work, and built for *big* loads—its body is a full 6 feet wide, and is available in lengths of 78″ and 98″. *You get the greatest load space of any comparable low-priced pickup!* Double-walled lower body construction adds extra strength to the cargo box. The graintight tailgate becomes a sturdy platform for extra-long loads when extended.

Powerful short-stroke V8 engines offer hard-to-beat stamina and performance. And improved 6's get the most out of a gallon of gas —keep costs way down. Sturdy axles and suspensions protect king-sized cargoes, add long life, offer around-the-clock economy. There's hustle, muscle and style in *every* Chevy. Ask your Chevrolet dealer to show you the right truck for your farm job. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

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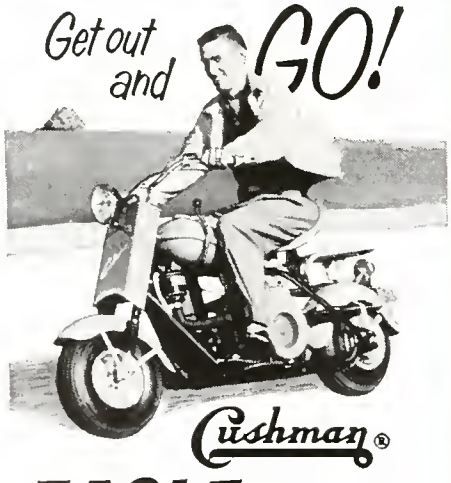

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Looking Ahead

SPRING FIELD WORK OFF TO SLOW START

Heavy snows and rain in many parts of the U. S. have slowed up spring planting tremendously. The oat crop, in the South especially, is smaller than usual. Outlook for good pastures is bright, however. This should increase interest in livestock—lightweight beef stock in particular.

FILL SILO FAST FOR BEST SILAGE

To make good silage this summer, forage should be harvested and placed in the silo as rapidly as possible. Filling the silo without long delays is important to prevent air from getting into the silage. In recent tests where a silo was filled over a period of several days, the loss of nutrients was much higher than for a similar silo filled in a shorter period of time.

SOIL BANK INTEREST HIGH

More farmers signed up for the Acreage Reserve this spring than had been anticipated. Uncertainties of weather and prices may be the reason. Total number of acres offered by farmers, including winter wheat acreage signed last fall, amounted to over 17 million acres. Funds appropriated for this portion of the Soil Bank were enough for only 12 million acres of allotted crops. The excess acreage of nearly 5 million acres is being held on waiting lists in case more money becomes available.

SPRING PASTURES BRING BLOAT DANGER

Lush growth of pastures, especially legumes will bring the danger of bloat to livestock farmers this spring. Care should be taken to see that an equal balance is maintained between grasses and legumes in pasture mixtures. Recent tests at Mississippi State College indicate that a penicillin-salt mixture provided for ruminants may prove to be helpful in preventing bloat.

RAT POPULATION ON THE INCREASE

The number of rats on U. S. farms is again on the rise. Besides being notorious disease carriers, one pair of rats will destroy 27 pounds of corn or its equivalent in one fall and winter season. Guard against these pests on YOUR farm by (1) keeping buildings and lots free of garbage, rubbish, and other possible nesting places, (2) ratproof your corn cribs, granaries, and other buildings where feed is stored, and (3) use plenty of a recommended type of rat poison to help eliminate those already present.

NEW METHOD OF EGG PRODUCTION

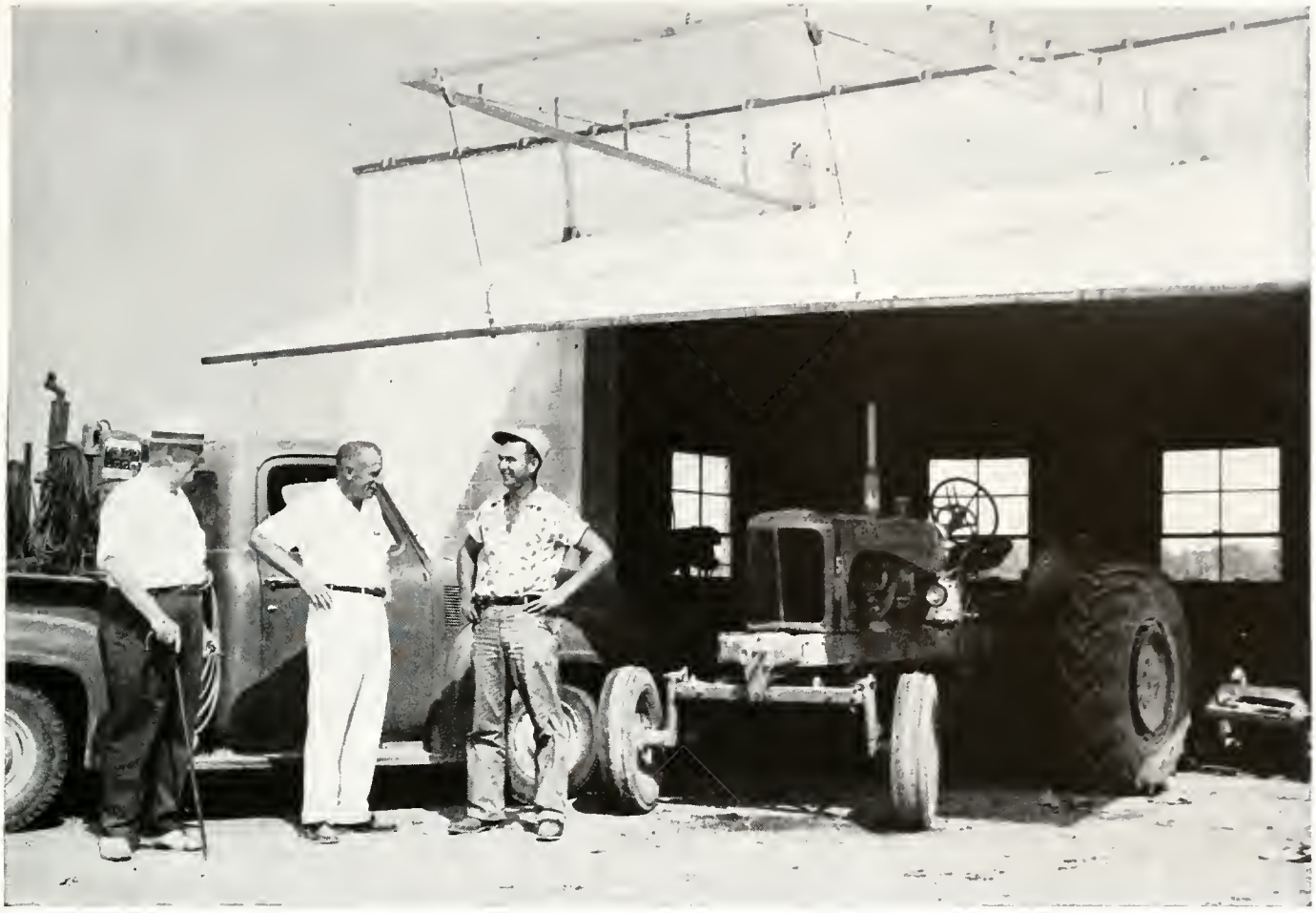
New advances are continually being made in the poultry industry. The latest of these is a new method of raising pullets and producing eggs under controlled lighting. Chicks are restricted to 6 hours of light per day until 20 weeks of age and then subjected to a gradual increase of exposure to light during a year's egg production. Besides decreasing the amount of feed required to produce a dozen eggs, tests indicate that production of commercial flocks may be boosted to as much as 250 to 260 eggs per hen per year. This system, known as "Stimulight," was originated by Professor Dale King, Alabama Polytechnic Institute, and is being tested under actual farm conditions by Doane Agricultural Service, Inc.

THINGS TO WATCH

Livestock. Meat production is expected to show a small decline in 1958. Cattle numbers early this year were down 1 percent over the same period last year. Cows and calves being slaughtered, however, is declining which may indicate more farmers are rebuilding their herds. Hog slaughter will probably average about the same as a year earlier until fall. Then it will increase as the larger 1958 spring pig crop moves to market.

Dairy. Milk production per cow went up to 6,162 pounds in 1957, a gain of over 20 per cent in the past 10 years. A further increase in 1958 is likely and will offset a possible decline in the number of milk cows.

Poultry. Farmers have already bought about 10 percent more egg-type chicks this spring than they had at the same time last year. Due to the expected increase in the number of layers, egg prices will probably be 3 to 5 cents lower this fall compared to the fall of 1957.



HOMEMADE DOOR DOUBLES HIS SHOP AREA

THIS over-sized door, easily operated with a hand winch, is the invention of John Van Kesteren, Jr., Onancock, Va. It practically doubles his shop-working area, providing shelter from sun and rain. Left to right are Texaco Distributor H. C. Watson, Mr. Van Kesteren, and Foreman L. E. Crockett.

For more than 20 years, Distributor Watson has supplied Texaco products used for the farm machinery in the Van Kesteren 800-acre operation. As a successful, large-scale operator, Mr. Van Kesteren, like leading farmers in every state, has found *it pays to farm with Texaco products*...and that Texaco Fire Chief gasoline delivers superior fire power for low-cost operation.

IT'S MARFAK FOR HIM! B. E. Roebuck (left), of Harrison Oil Co., tells H. B. Winslow, of Williamston, N. C., Texaco Marfak lubricant is best because it won't drip out, wash out, dry out or cake up. Marfak-lubricated bearings can take it!

35-YEAR TEXACO USER! Texaco Consignee H. H. Shapard (right), has supplied Texaco products since 1923 to L. E. Ragland, of Halifax, Va. Mr. Ragland finds that Havoline Motor Oil wear-proofs truck and tractor engines, prolongs the life of machinery.

IN ALL 48 STATES – you'll find Texaco Dealers with top-octane Texaco Sky Chief Su-preme gasoline, supercharged with Petrox, for maximum power... and famous Texaco Fire Chief gasoline at *regular* price. Havoline Motor Oil and Marfak lubricant.

On farm and highway it pays to use

TEXACO PRODUCTS

Texaco Products are also distributed in Canada, Latin America, and Africa.

TEXACO

THE TEXAS COMPANY

GROW POWER for GRASS

These two clumps of bromegrass tell the stark and simple story of hundreds of millions of acres of starved hay and pasture land.

The bromegrass at left is from a field that got a little mixed fertilizer and no nitrogen top-dressing. The roots are weak, the grass is short and thin, and will yield less than one ton of feed per acre, with a protein content of about 6%.

The bromegrass at right, in addition to getting mixed fertilizer, was top-dressed with 80 pounds of nitrogen per acre. The yield will run 2 to 2½ tons per acre with 10% protein content.

Good grass is good, low-cost feed for livestock. It can be grown for a fraction of the cost of growing grain. It costs far less to harvest, especially as a grazing crop. With proper high-nitrogen fertilization, and adequate water, grass can produce up to 8 tons of 20% protein feed per acre, dry weight.

Some farmers are getting good profits out of well-fertilized grasslands. But most grass is still sod-bound and starving for plant food. The care and feeding of grass is one farm program everyone can agree on. Now is the time to shift grassland farming into high gear. There's green gold in those sod-bound hills!

Nitrogen Division, long-time leading producer of nitrogen for the fertilizer industry, is continuing to improve its facilities for supplying low-cost, easy-to-use liquid and dry nitrogen for all methods of application.

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Grow with Arcadian® Nitrogen

A CHAPTER BREED ASSOCIATION

An old and unique breed association is still functioning at Iowa Falls, Iowa. It is the Iowa Falls Duroc Breeders Association, a subsidiary of the Scenic City FFA Chapter.

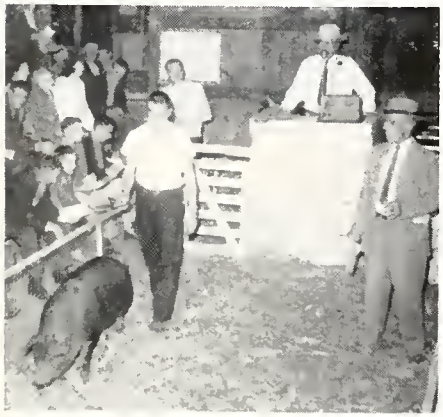
The organization held its first co-operative sale of boars and gilts back in 1929. They rented a large tent, printed catalogues, and hired an auctioneer. Since then, regular sales have been held with the exception of 1932 and 1934. Now, however, the sales are held in an FFA sales barn which is kept clean and heated by FFA members throughout the winter. Other purebred sales are held at the barn during the year.

Buyers come from several surrounding states to purchase pigs at the FFA sales. A committee appointed by the Association and accompanied by their FFA Advisor, Joe R. White, choose the pigs to be sold, assuring buyers top quality.

The Association also purchases a herd boar co-operatively each fall and sells shares to members to pay for it. This past fall, they paid $250 for a purebred boar from the Iowa Boar-Testing Station at Iowa State College. They're concentrating on rate of gain, feed efficiency, and back-fat thickness, as well as type.

Association members pay $6.00 to breed one gilt and $10.00 for two. They feel that by concentrating on one breed, they can afford better boars, use herd sires more effectively, produce more uniform market hogs, and sell their pigs over a large territory.

The Association is actually laboratory facilities for training farm boys in the principles of co-operation, leadership, community service, business methods, swine production, use of credit, farm marketing, and farm records. It has helped materially in developing interest in farming and vocational agriculture. As a subsidiary of the local Chapter, the Association has done much to assist in Chapter activities.



Top quality boars and gilts are sold by members in their own FFA sales barn.

Never thought a pleasure motorcycle could do farm chores, too? Well, here's one that can . . . Triumph — the pick of the crop. It's a rugged, dependable sidekick in the field and a powerful, hands-down performer on the highway.

Triumph pays for itself in more ways than one. Great for going back and forth to school or to meetings, for patrolling fences and running errands. Triumph operates so quietly that you can use it to herd cattle or on hunting trips. And Triumph is extremely economical. Models average from 75 to over 100 m.p.g.

See the new '58 Triumphs at your nearest Triumph dealer. Available in a wide variety of models and colors.

FREE! **Please send me without obligation a copy of the new, full color 1958 Triumph catalog. Dept. T-1.** ☐ Check here for name, address and telephone number of the Triumph dealer nearest you.

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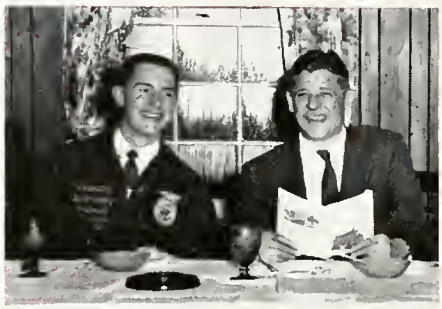
of America.

A DAY WITH A DONOR

Eaeh year the National FFA Officers take a Good Will Tour. This year they met with companies in 13 major eities and the tour took five weeks. The purpose of the tour is to further promote a better understanding of the relationship between agriculture and industry. Most of the eompanies visited are donors to the FFA Foundation. These pietures showing a day with a donor, the Allied Chemical and Dye Corporation in New York, will give you some idea of what the tour is like.



Top right, President Howard Downing and Hugo Reimer, 1958 Chairman FFA Foundation Sponsoring Committee. The dinner was held at Fraunces Tavern, scene of many historic gatherings.

They meet with top company officials. Mr. Glen Miller, president of Allied Chemical, talks with the officers about the operation of his company.

They visited the Hayden Planetarium and got a glimpse of regions beyond our earth. In this picture, they are looking at meteorite from outer space.

After dinner, they boarded a chartered bus and went uptown to see a play. Evening ended, they say goodby to company officials who were their hosts.

An interesting sidelight was an appearance on Arthur Godfrey's television show. Here they chat with Godfrey who owns a Virginia farm. They also met other top show people.

REPORT TO AGRICULTURAL LEADERS

Three midwest farmers report on 'Hygromix' feeding trial results

by Eugene S. Hahnel

Fred Hardin of Knightstown, Indiana, who has raised hogs for 42 years, summarized the first three 'Hygromix' field trials better than all the figures. "My neighbors came around," Hardin tells, "and wanted to get some of this antibiotic when they saw what my pigs were doing. It was very interesting.

"The thing I liked," he continued, "was that after we quit feeding 'Hygromix' the treated pigs kept on gaining like a house a-fire. The control pigs will never catch up with the 'Hygromix' pigs."

Carl Alexander of Kempton, Indiana, farrows his sows on the same ground every year, and puts his pigs out to pasture as soon as possible. He figures his hogs are about as infested with worms as the average farmer's. "This was one of the best-doing bunches of pigs I've ever fed," said Carl of his 'Hygromix' group. "The thing I noticed was that I didn't have any runts in the bunch that got 'Hygromix.' In the other lot I counted eight runts that'll never amount to very much."

Gene Roe, North Salem, Indiana, buys and fattens a couple of hundred feeder pigs a year. Mr. Roe's feeding trial shows how 'Hygromix' kills worms before they mature. "I didn't see many worms passed in the lot fed 'Hygromix,'" Roe reports. "But when we weighed the 'Hygromix' hogs a month later and they showed up much heavier than the others (treated with another wormer), I knew that 'Hygromix' got the worms. That was the kind of results we were hoping for."

Gene continues, "We didn't have any scouring in the 'Hygromix' pigs, but we did in the other lot. Eleven weeks after the test started we cut out all hogs weighing 200 pounds or more to send to market. We had eight in the 'Hygromix' lot, but only one in the other." There was a 23% feed savings in the lot of pigs fed 'Hygromix'-fortified feed.

CONDITIONS OF FIELD TRIALS

The chart below gives the results of the split-lot tests carried on by these three men.

Each man divided his pigs into two equal groups. One lot (called the controls) was handled and fed exactly as each man was accustomed to doing with his own pigs.

The 'Hygromix' groups of hogs were fed an identical ration except that the new antibiotic was included at the recommended level. And, of course, no other method besides 'Hygromix' was used to control worms in these groups of pigs.

All the pigs used in these farm field tests were *already infested with worms*, and were put on 'Hygromix'-fortified feed later than recommended. In spite of this disadvantage, the value of 'Hygromix' shows up clearly in this summary of the results:

	ROE		HARDIN		ALEXANDER	
	Control	'Hygromix'	Control	'Hygromix'	Control	'Hygromix'
No. pigs tested	29	31	37	38	65	66
Days on test	76	76	56	56	56	56
Average start. wt.	41.29	40.61	15.70	15.50	25.89	25.93
Average daily gain	1.33	1.59	1.00	1.13	1.00	1.14
Extra gain %	.....	19.6%	....	13.0%	....	14.0%
Feed per lb. gain	4.21	3.24	2.99	2.71	3.42	3.58

Your favorite pig and hog feeds (including supplements to be mixed with grains) are already available with 'Hygromix.' Let your feed dealer know right away that you are interested in preventing worm damage to your hogs by using 'Hygromix'-fortified swine feeds. Feed them to *all* your hogs . . . *all* the time.

HYGROMIX

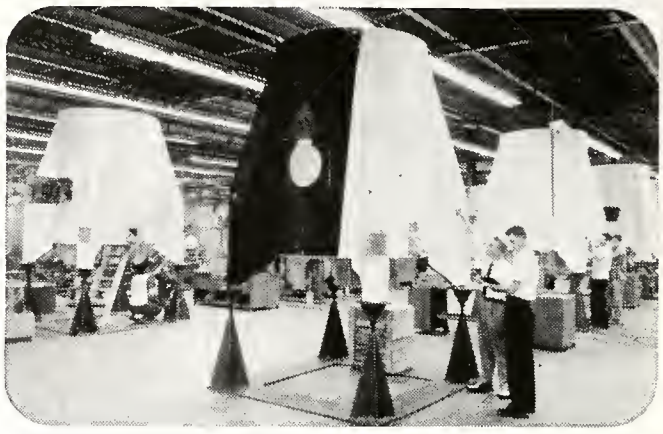
(*S. hygroscopicus* Fermentation Products, Lilly)

ELI LILLY AND COMPANY, AGRICULTURAL AND INDUSTRIAL PRODUCTS DIVISION, INDIANAPOLIS 6, INDIANA

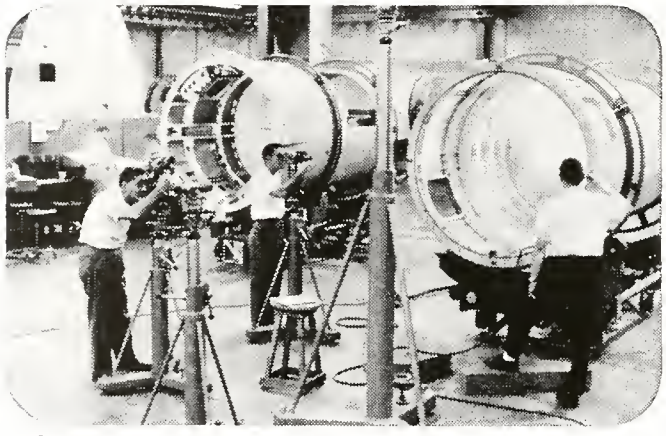
BILL LUNDIGAN* TELLS HOW CHRYSLER CORPORATION HELPS SHAPE AMERICA'S FUTURE IN OUTER SPACE!

*(*Your host on "Climax!" and "Shower of Stars", CBS-TV)*

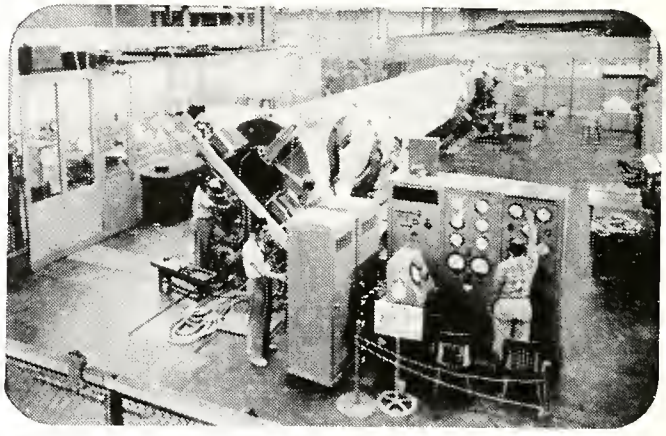
WORLD WAR II AND KOREA performance record led U.S. Army to assign Chrysler Corporation to assist Army Ballistic Missile Agency in research, development, engineering and production of Redstone and Jupiter missiles.



REDSTONE MISSILE—"Sunday Punch" of the artillery—is tall as a 4-story building. Tail section is about nine feet long, dwarfs Chrysler Corporation technicians performing final check before installing delicate control equipment.



NOSE OF REDSTONE receives check long before being joined to center section and tail. Missile travels so fast it could get from New York to Washington in 5 minutes. Built-in guidance system makes missile almost impossible to intercept.



PRE-FLIGHT TESTING simulates every flight condition short of actual firing. Delicate recording instruments record variables like wind acceleration, temperature, effects of thinning atmosphere of outer space.

BLINDING EXPLOSION—a deafening roar—and the Redstone soars skyward from its launching pad as part of America's first line defense in outer space. Powerful warhead can deliver conventional or atomic punch.

NEW INTERMEDIATE RANGE Jupiter missile is even more powerful than Redstone. It is built to travel 1500 miles at supersonic speeds. A Jupiter C was used to launch the free world's first satellite moon.

THE *FORWARD* LOOK

CHRYSLER CORPORATION

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A Star in the West

Bryan has complete responsibility for operating a 100-cow dairy. He's shown with some of the cows and the 180-foot loafing shed he helped construct in the fall of 1956. He is farming in partnership with his dad and a brother.

A CAREER in farming came quite naturally for Bryan Hafen, the reigning Star Farmer of the Pacific Region. His older brother, Kent, was an outstanding Future Farmer. Bryan followed closely in Kent's footsteps, but he also made some fresh tracks of his own.

Now well established, Bryan has an investment of $39,162.28 in farming without any unusual gifts or inheritances. He still owes $16,832.00, mostly on mortgages against the farm land he operates in one-third partnership with his father and brother. His net worth is listed at $22,330.28.

Bryan joined the FFA in 1952 after enrolling in vocational agriculture at the Virgin Valley High School in Bunkerville, Nevada. He had learned of the opportunities in the FFA by watching his brother advance to chapter president, state vice president, and then American Farmer. The younger Hafen wasted no time in launching his own program.

Four Hereford heifers made up his supervised farming program that first year. As improvement projects, he tested their dairy cows and kept a record of butterfat on them. He also kept a breeding chart on each individual cow.

In 1957, Bryan's farming program consisted of one-third interest in 50 dairy cattle and management responsibility for 50 more cows; and a third interest in 164 acres of cotton, 30 acres of alfalfa, and 32 acres of barley. From a similar program the previous year, he had a labor income of $9,498.11.

Bryan, his brother Kent, and their father, Max Hafen, have a formal partnership, complete with contract, in the operation of 883 acres located in two farms 100 miles apart. Mr. Hafen furnished $16,000 capital for the down payment on the purchase of land, dairy cattle, and equipment. Bryan and Kent agreed to assume equal shares of the remaining debts, and to repay their father their respective shares of the down payment from profits accrued in the enterprise.

A good portion of Bryan's net worth is accounted for by increased valuation of the land. The 100-acre farm near Mesquite where Bryan lives had only 30 acres in production when they bought it in 1953. They have releveled the land and built new irrigation ditches to bring an additional 50 acres into production. A modern dairy operation producing Grade A milk for the Las Vegas market has been established on the Mesquite farm.

Kent now lives on the 773-acre ranch operated by the partnership at Pahrump, Nevada, near Las Vegas. This ranch was mostly waste desert land when the Hafen's bought it in 1950. They dug two irrigation wells, built a house for Kent and his family, built about two miles of fencing, and 6,500 feet of concrete-lined irrigation ditches. The land has been leveled, and about 250 acres have been brought into production.

Their main crop at the Pahrump ranch is cotton, with 150 to 200 acres seeded each year. Alfalfa also is grown, and much of the hay is trucked to Mesquite to provide feed for the dairy cattle. Bryan spends a lot of time at Pahrump during the heavy work periods of summer and fall. During this time, one of his other two brothers, Douglas or Gary, milk the cows.

Bryan's leadership in the FFA has been as outstanding as his farming. He served one year terms as treasurer and president of the Virgin Valley FFA Chapter, and was elected State FFA president for 1955-56. He was selected to represent Nevada in the 1955 Young Outdoor American's conference in Chicago, and in a regional Farm Bureau Youth Leadership School in 1956. In 1955 Nevada's two delegates to the National FFA Convention were two brothers—Gary Hafen, American Farmer candidiate and Bryan, state president.

In studying Bryan's accomplishments, three major reasons for his success stand out. They are his own ambition, a good home with parents willing to give the needed support and encouragement, and his training in the FFA.

Are you making the most of your opportunities as Bryan has done?

Left, Bryan, an artificial inseminator, demonstrates job to Advisor Reid and Myron Partridge. Right, testing milk. In three years of milk testing, he has raised herd butter-fat an average of 46 lbs. per cow.

The best of last year's crop of pigs are these bred gilts kept for herd replacements. Good selection and management have played a big part in Monroe's success to date.

Monroe showed both the champion and reserve champion at the American Royal in Kansas City last fall. He's shown selling the champion to Eddie Williams, in background.

from runts

By Earl Schweikhard

STAR Farmer of the South in 1953—a top swine breeder and successful farmer in 1958. That's the achievement of Monroe Kottwitz, former Kingfisher, Oklahoma, Future Farmer, who is still making headlines for the FFA.

Just this past fall, Monroe exhibited the grand champion and the reserve grand champion barrows at the American Royal Livestock Show in Kansas City. American Royal officials said this was the first time in at least 30 years the grand champion and the reserve champion had been won by the same individual.

But showing champions was nothing new for Monroe. He had shown a grand champion at the Royal before. He did it the year he was named Star Farmer of the South.

Monroe, now 25, started in the swine business as a freshman in the FFA. He has built a highly productive and profitable business, extending over several states. At the same time, he has developed a well-rounded farming program, diversified to include several crops, beef animals, and sheep.

This young Oklahoman probably wouldn't be making a name for himself in the Berkshire world had it not been for his vocational agriculture instructor, Rodger Howell. Mr. Howell brought Monroe two "runt" pigs from a Berkshire breeder back in 1947. The barrows were the "tail-end" of the breeder's sale pigs. But Monroe did such a good job of feeding them, the barrows were chosen grand champion and reserve grand champion of the Kingfisher County Fair and one of them went on to become the champion Berkshire in the State Fair.

Monroe took the money he earned on the two barrows, went to the breeder and bought gilts—the foundation of his present herd. Now, as an established breeder in his own right, Monroe can command top prices for his barrows and gilts. In fact, he has a hard time keeping pigs for all the buyers who want them. Right now, he has a standing offer of $100 each for some gilts he held back—but he wants them for herd replacements.

Monroe's swine are primarily breeding animals. He feeds only about 30 gilts and boar pigs each year. From these, he picks his replacement animals. Some are sold as bred gilts and service age boars and culls from the "bottom end" are sent to market. He refuses to register those animals lacking the quality he wants to maintain.

Monroe doesn't have a large swine breeding program as some may go, but he is concentrating on quality rather than quantity. He doesn't want to get so big that he will be keeping just "good" pigs. He wants the best.

Right now, he has 15 sows and 9 bred gilts on the farm. Some of these he will sell. He usually farrows about 100 pigs each year, although he will have a few more this year. He sells all of the barrows and a few gilts at weaning age.

The successful young farmer believes strongly in up-to-date management and improvement practices in handling his

swine, as well as his other livestock. He uses well-built farrowing crates and pig brooders, and he keeps pens and houses clean.

He has so much experience doctoring, treating, and caring for his own animals that he also helps a local veterinarian during any slack time he has. He keeps a well-supplied cabinet of medicines and veterinary tools himself.

Another source of income is his boar herd. He receives more than $500 a year in service fees from five outstanding boars, besides providing his own herd with top service.

Although Oklahomans buy many of his swine, his largest buyers come from Texas and New Mexico. Some of them are "regulars" whom Monroe sells to each year. Buyers come from other states as well.

Registered Berkshires are not all of his expanding farming program, however. Monroe now farms almost 300 acres of crops, including wheat, barley, maize, mung beans, sorghum hay, oats, rye, and vetch; and has about 140 acres in grassland. Much of the grain is used for feed so he has very little feed to buy.

Monroe developed an interest in Angus cattle and now owns 20 brood cows. Half of his herd is purebred, and recently he bought a good registered bull. This winter he has been running 60 head of stocker steers on small grain winter pasture.

More recently, at the insistence of his former vocational agriculture instructor and advisor, Monroe bought 20 head of registered Southdown ewes.

Since he was Star Farmer of the South, Monroe has accumulated almost all of the tools and equipment he needs to operate the 440-acre farm. He owns three tractors, several plows, grain drills, a combine, hay equipment, and other farm machinery. Only recently he built a power-driven wire roller for one of his tractors so he can easily take down and put up temporary electric fencing which he uses extensively. A stickler for cleanliness around his livestock, Monroe keeps his barns and pens almost "as clean as a hound's tooth."

He still takes an active interest in the Future Farmers of America in Kingfisher. He makes it plain that members of the local chapter get "first call" on any barrows or gilts they want to buy. And he manages to "drop in" at the vocational agriculture classes often to help with projects or get help from some of the boys. At fairs and shows, he is always on hand to help Kingfisher FFA members with their animals.

The young farmer married his high school sweetheart, Beverly, in 1950. Their son, Monroe, Jr.—"Butch" to the family—who was a baby when Monroe received the Star Farmer award, is now a husky 5-year-old who often goes with his dad on his rounds of the farm. "Butch" now has a baby sister, Cindy, who is three.

Now well established in the business of farming, and with every intention of staying there, Monroe is doing honor to his title of "Star Farmer of the South."

to champions

At left, Monroe's family includes wife Beverly, son Monroe, Jr., and daughter Cindy. They are all proud of the trophies he has won showing his Berkshires.

This powered wire roller saves labor when building or taking down electric fencing in a hurry. With Monroe is his former FFA Advisor, Rodger Howell.

Newest livestock enterprise added to his already well diversified farm is 20 ewes. He also has 20 Angus brood cows and runs about 60 stocker steers.

Two members erect a safety sign in the Little River community as part of the Chapter's campaign for highway safety.

it's SAFETY FIRST at LITTLE RIVER

By John Lacey

FEWER ACCIDENTS are happening in Little River, Kansas. The reason for it can be traced directly to the local FFA Chapter. This alert group conducted a safety program which resulted in their Chapter being named the most outstanding in the United States in the promotion of farm and home safety practices — and it made the Little River community a safer place in which to live.

The Chapter had been active in safety work for a number of years, but in the spring of 1956, they voted to go all out in setting up a safety program. It was designed to impress the people of the community with the importance of safety in preventing accidents in their homes, on farms, and highways.

In describing the program, Eldon Frye, safety chairman, says, "Our campaign is a continuous active program in our school, home, and community."

The first major activity of the Chapter was a survey of farms and homes for accident hazards. The membership was divided into work committees, and after receiving permission from the owners, they surveyed 208 farms and homes. During this survey, 952 hazards such as cluttered stairways, absence of hand rails, improper handling of livestock, unsafe electric installations, power-take-off shields not in place, and many others were noted. These unsafe practices were pointed out to the owners and methods of correction were discussed.

When a recheck was made several weeks later, it was found that 625 of the noted hazards had been removed. During this survey, 276 no smoking signs were erected in haylofts and other dangerous places.

Since the survey and recheck would not reach every person in the community, the Future Farmers organized six teams and presented 42 demonstrations to civic clubs, rural schools, churches, and farm homes. The demonstrations included first aid in fighting fires, lifting safely, fire extinguishers and their use, and safety in electricity.

In all, 56 public talks were made by FFA members on such topics as "Safety on the Farm," "Safety in the Home Workshop," "Tractor Death Facts," "Falls in the Home," "Auto Safety," "Winter Driving," and "Agricultural Accidents." And 15 of these talks were given over six major radio stations in Kansas.

This was only the beginning for the enthusiastic group. Display posters promoting safety were exhibited at farm meetings, schools, business houses, farm stores, and civic clubs. These posters were secured through the National Safety Council, insurance companies, and constructed in the local shop.

TV had a part, too. Seven programs were presented over four major stations in Kansas. In addition, 56 news articles, news reports, and safety promotion ideas were publicized in local, state, and national news releases. Twenty films, made to impress the public with safety opportunities, were shown by members. And over 5,000 pieces of safety literature were distributed to the public.

To reduce fires, the Little River Chapter placed 46 fire extinguishers with farmers in the community at cost. At the present time, 85 percent of the 144 farms surveyed have fire extinguishers charged and ready for use.

They even got into movie making. In co-operation with the Farm Bureau Insurance Company, the Chapter produced a 25-minute film entitled "Operation Safety" which was presented 25 times over the State, including several showings over television. This film shows in detail the methods used in carrying out a co-operative safety campaign in a community with leadership coming from a youth organization.

Another project undertaken promoted safe driving. A reaction tester and an Orthorator were obtained and 430 students and adults were given reaction, speed, and vision tests. Many

Richard Hodgson and Rodney Rife give safe lifting demonstration on TV. Fifteen programs were presented on four major stations.

Chapter President David Fruend points out an exposed power shaft during one of 208 farm surveys.

individuals have obtained corrective treatment as a result of these tests. In co-operation with the Kansas Highway Patrol, 33 cars driven by students and teachers were given official safety checks.

More than 500 cars had bumper strips placed on them with such safety messages as "Slow Down and Live," "Courtesy Saves Lives," and the like. In addition, 35 metallic reflector strips were placed on culverts, posts, and other roadside obstructions. In co-operation with the Highway Safety Department, Chapter members erected five 4 by 6 foot safety slogan signs on the public highways.

Farm equipment, which occasionally gets on the roads at night, got a going-over, too. They put reflective tape on 176 pieces of this equipment.

Don't think that a program like this doesn't take time. The 41 FFA members estimate that they spent nearly 1,000 man-hours of work and traveled 5,500 miles in the interest of safety promotion during the 1956-57 school year.

What has been the result of this safety campaign? Not one fatal farm accident has been reported in the Little River Community in the past year. And it would be impossible to estimate the crippling accidents which have been prevented as a result of this campaign.

Summing up the program, Milton Kohrs, FFA advisor says, "We hope we have been of service to the community. Certainly the community has been of service to us. While reminding others of safety, Future Farmers have learned it well themselves."

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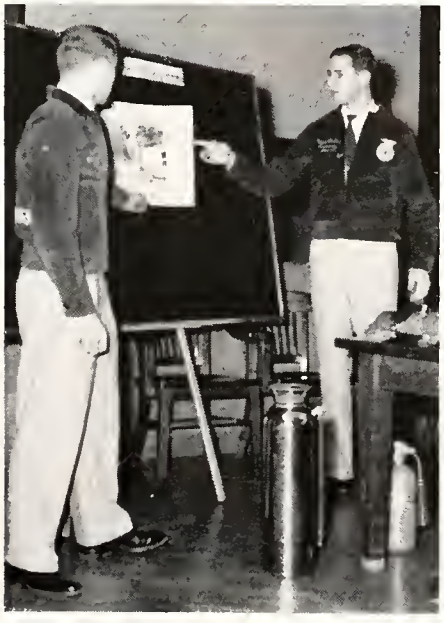
Eldon Frye and George Rhoades presenting Little River's fire safety demonstration to FFA Foundation Donors at January meeting in Washington, D. C.



Earl Stinson needed the

Power of Electricity

Pictured are some of the electrical projects of Earl Stinson, National Farm Electrification winner. Many of them were products of his own ingenuity.

By Bruce Robertson

THE STORY of Earl Stinson and how he became the 1957 National FFA Farm Electrification winner begins with his early childhood. During the early part of his life, Earl was forced to miss a great deal of school because of an extended illness. He had a block in the main artery leading to the heart, a very serious condition that threatened his life. On the advice of local physicians, Earl was committed to a hospital in October of 1947 for a major operation. At ten years of age, he was the youngest person ever operated on for such a condition.

Following the operation, Earl faced a long period of convalescence in which he was to avoid physical exertion and to obtain a maximum of rest. Nor was he to play with other children—a rather difficult order of such a young boy. Mrs. L. C. Stinson, Earl's mother, once told me, "We had little hope that Earl would come safely through the operation and he was in grave danger for quite some time following his hospitalization. Our boy is very lucky to be alive."

During the period of his illness, young Stinson missed about four years of school. With an indomitable spirit, Earl became vitally interested in electricity. Commenting on his electrical interests, Mrs. Stinson points out, "Earl seemed to have a wealth of talent for electrical work. As he gradually gained his strength, he slowly resumed his school work, but with a great handicap. However, he was determined to finish his schooling and his electrical work was a great help to him."

When the program of vocational agriculture came to Virginia's Rocky Gap High School in the fall of 1949, Earl eagerly looked forward to the time that he would enter high school and enroll in this course of study. His opportunity came in the fall of 1953. I was then advisor, so Earl came to me and explained fully his handicap and asked for permission to enroll in vocational agriculture. In view of his great interest and courage, I saw in this boy a future FFA leader. His 75-acre home farm afforded him the opportunity for a fine supervised farming program, but he lacked the strength to do a great deal of heavy work.

After an interview with Earl and his father, we outlined a tentative four-year supervised farming program. A

(Continued on page 44)

1958 FISHING CONTEST

GRAND PRIZE—6 h.p. OLIVER MOTOR

SIMPLE TO ENTER!

CATCH A FISH AND SEND IN AN ENTRY

EASY TO WIN!

EVERY ENTRY WINS A PRIZE

3 TOP PRIZES IN EACH CLASS

A casting outfit to the three top winners in each class—12 casting outfits in all! A bonus prize to the first 100 to enter!

CLASSES

1. Largest fish—Each fish will be judged on the basis of how close it comes to the record catch of its own species.
2. Catfish—The largest catfish caught regardless of specie. (Not eligible to compete in class one.)
3. The greatest total **weight** of pan fish caught in any one day. (A pan fish is a small fish suitable for frying whole.)
4. The greatest **number** of pan fish caught in any one day.

CONTEST RULES

1. Anyone can enter the fishing contest if he is under 21 years of age at the time he catches the fish.
2. Your fish must be caught between April 1 and September 2, 1958. Your entry must be postmarked not later than midnight, September 2, 1958.
3. Your fish may be caught in the waters of the United States or its possessions, or in the waters of Canada or Mexico. You must comply with the fishing laws of the place where you catch your entry.
4. You must catch the fish yourself unassisted, but it can be caught with any kind of rod, reel, and line and on any kind of lure or bait. (Trotline not accepted.)
5. You must submit a close-up side view photograph of your entry if it is a smallmouth bass, pickerel, or walleye. For all others, a photo is not required but we would like to have one.
6. Each contestant will be eligible to win one prize only (except in the case of the grand prize), though he may submit as many entries as desired. In the event someone submits more than one entry, the top place entry will be considered.
7. In case of ties, the one with the earliest postmark will be declared the winner. Judges are the staff of *The National FUTURE FARMER*, and decisions of the judges will be final. Entries cannot be ackowledged or returned. Winners will be announced in the October-November issue of *The National FUTURE FARMER*.

ENTRY BLANK

The National FUTURE FARMER Fishing Contest

Your entry must be postmarked not later than September 2, 1958!

PLEASE PRINT

1. If entering Class 1 or 2, fill in this part:

Kind of fish ..... Weight: lbs. ..... ozs. ..... length .....
(Exact name: whether trout is Brook, Rainbow, Lake; bass is largemouth, smallmouth, etc.)

If entering Class 3 or 4, fill in this part:

Weight of fish ..... lbs. ..... ozs.; Number of fish caught .....

2. Where caught ..... Date caught .....

Caught in fresh water ..... ; Salt water .....

3. Caught with: Rod & Reel ..... ; Spinning Rod ..... ; Fly Rod ..... ; Other .....

4. Caught by: (Your name) ..... Age .....

Address: ....., City ....., State .....

5. Signature of parent or ag teacher .....

Your ag teacher or parent must affirm your entry by signing it. They do not have to see you catch the fish, but must see the fish. They must certify the kind, weight, and length of your fish; or in the case of the pan fish classes, must certify the number or weight of your catch.

Mail entry to Fishing Contest, *The National FUTURE FARMER*, Box 29, Alexandria, Virginia.

6 AMERICAN FARMERS .... from 1 family

Do you know of a family with more American Farmer Degree holders than the Giacominis of California?

By Roland F. Wentzel

They set outstanding record in FFA. Back row, left to right: Ernie, Joe, Ed, and Harold. Seated, John and Dan.

FEW FAMILIES have had as much FFA woven into their lives as has the Giacomini family of Humboldt County, California. In a short span of 15 years, this family produced seven State Farmers and six American Farmers. Today, six of the boys (the seventh is deceased) are dairying within 20 miles of each other in the same general area in which they grew up.

In addition to their dairying, they are carrying on in adult farm organizations just as they so ably did in FFA work. In Humboldt County, you'll find a Giacomini in most every farm organization—if not a leader at least very active in these groups. They are also leaders in church, schools, service clubs, social groups, and almost anything for the betterment of the community in which they live.

The Giacomini boys weren't handed a lot of stock on a "silver platter." Each boy started with a heifer calf. They milked their own cows and sold milk in cans marked with their own numbers. Their father, Henry Giacomini, says that if the boys weren't on hand to do the milking, the milk would go into his cans. Only one or two lessons like this convinced them that Dad meant business.

All but Ed became American Farmers but that wasn't his fault. He graduated from high school in 1942 when World War II was raging and sold his herd thinking that he would be called into military service. He wasn't called, but since he no longer had his stock, he wasn't eligible for this highest degree.

The Giacominis have held a number of FFA offices. Six of the seven were chapter presidents, two were regional presidents, one a state vice president, two were secretaries, and Joe, who was a state president, was also a national vice president in 1941-42. The boys' father is an Honorary Chapter Farmer of the Ferndale FFA Chapter, an Honorary State Farmer from California, and an Honorary American Farmer.

John, the oldest, now has a son in FFA work. Young Walter is an active member of the Eureka, California, Chapter and serves as FFA vice president in Humboldt County.

John started showing stock 20 years ago in the FFA and is now considered one of the top Jersey breeders and showmen on the Pacific Coast. He is a director and has served as president of the California Jersey Cattle Club. John and his son, Walter, show stock in all the big shows in three western states as well as Humboldt and neighboring counties. Walter showed the grand champion Jersey female in the Junior Division at the 1957 California State Fair. John showed the grand champion Jersey cow at the Fair.

Joe is the second oldest living son. Recently, he was named the "Outstanding Young Farmer" from Humboldt and Del Norte Counties by the Junior Chamber of Commerce.

Two years ago Joe ventured in the processing and delivering of milk and has built up a reputable business. His "Gypsy" Guernsey trucks can be spotted easily with their beautiful paintings of a Gypsy Guernsey cow. Gypsy is the prefix to all of Joe's 150 registered Guernseys.

Like all the Giacominis, Joe is a staunch supporter of the FFA. Each year, a field day is held in co-operation with the four high schools in the county that offer vocational agriculture. On May 21 of this year, the seventh annual FFA-Giacomini Field Day will be held. Over 200 FFA members will participate in such activities as livestock and dairy judging, tractor driving, sheep shearing, dairy and sheep grooming, and horsemanship.

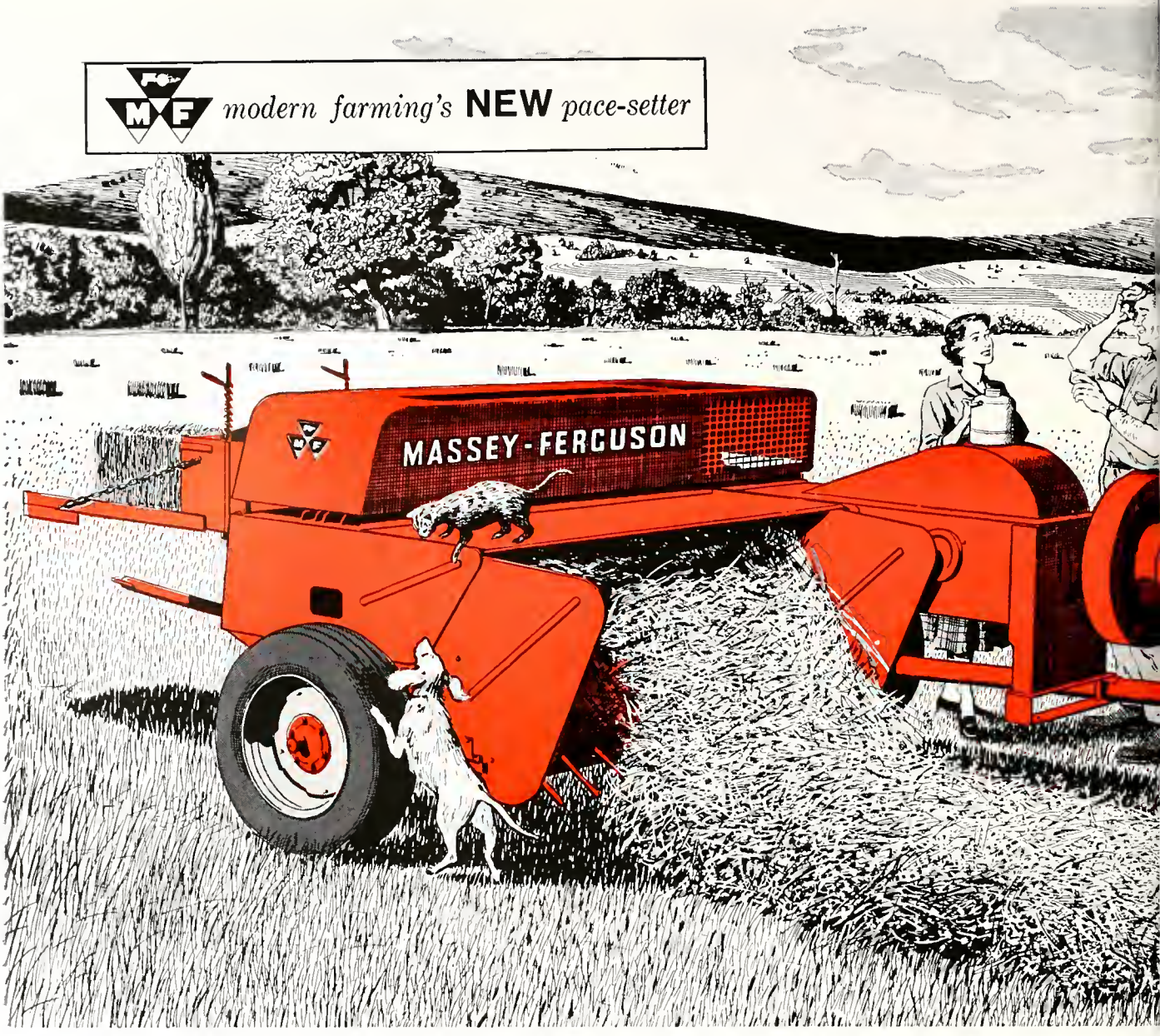
The other Giacominis help with the field day. They serve as judges, supply stock for judging, and the like. Their wives are often on hand to serve lunch for the over 200 hungry FFA members.

Ernie operates a small Grade A dairy near Joe's place. After returning from service, he took over a run-down farm with poor pastures. Ernie rolled up his sleeves and went to work applying his agricultural "know-how." Now, four years later, his stock and pastures have improved beyond recognition.

Ed, a progressive Grade B dairyman, is the only Giacomini not producing Grade A milk. He does, however, produce high quality stock on rich, well managed pastures. Several demonstrations and field trips sponsored by county agricultural groups have been held at Ed's place. Just like the others, he is progressive, believes in using good quality herd sires, and belongs to the Dairy Herd Improvement Association.

Don and **Harold** Giacomini are partners supplying "Golden Guernsey Milk" for a local distributor. They show their outstanding livestock at fairs and produced a proven bull that sold to a large artificial insemination firm. They milk 60 to 65 cows—most of them registered Guernseys.

Mr. and Mrs. Henry Giacomini, the parents, are interested in farm and civic groups. Henry Giacomini has been a supporter of education, having served as a high school trustee for six years and as chairman of that board for two years. Following the footsteps of his dad, Joe too, is chairman of a large elementary school district in Fortuna.

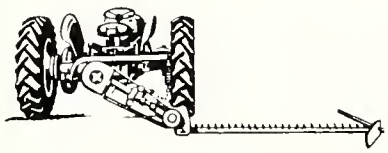


MAKE HAY WITH REAL PROFIT—USE THE FAMOUS MASSEY-FERGUSON NO. 3 BALER

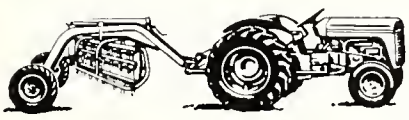
Exclusive Leaf Guard Design Babies the Leaves, but Bales Fast. Here's the sweetest baler ever made . . . Last season's sell-out proves it.

High Capacity . . . Bales up to 10 tons per hour. *Trouble-Free Service* . . . The Massey-Ferguson No. 3 Baler uses sealed bearings, oilite and nylon bushings that never need lubrication. *Compact Design* . . . Barely chest-high and not much wider than your tractor, you see what you're doing and you needn't worry about getting through narrow gates. *Efficient* . . . Hay only makes two turns from windrow to finished bale . . . there's no loss of precious leaves. *Easy adjustments* . . . It lets you make 31 or 37 inch bales under all conditions. You can adjust for fluffy or tight bales, too. *Use with any Tractor* . . . The swinging hitch, with its single pin clevis, adjusts to fit the drawbar of any tractor and facilitates transport. *Your Choice of Power* . . . Massey-Ferguson's No. 3 Baler is ready for you in either a PTO or Engine-Driven model.

For the Perfect Combination of Hay-Making Tools . . . Also choose an M-F Dyna-Balance Mower and your choice of mounted or pull-type Side Delivery Rake.



MASSEY-FERGUSON 30 DYNA-BALANCE MOWER *Dyna-Balance Drive Makes Pitmans Old-Fashioned!* The revolutionary Dyna-Balance drives the sickle in an entirely new way. There's no troublesome pitman . . . so there's no noisy, nerve-racking vibration. And because of its design, it operates smoothly, efficiently. You cut more hay each operating hour . . . get into the field when your hay is at peak maturity. And it's tractor-mounted by the fast 3-point hitch system for easy control and transport.



MASSEY-FERGUSON MOUNTED AND PULL-TYPE SIDE DELIVERY RAKES *You'll Always Get the Quality Hay You Want.* The six-bar offset reel handles hay more gently . . . disturbs it less . . . moves it faster to the windrow. This means quality hay. The Massey-Ferguson design will move a full 8-foot swath, producing a light, fluffy windrow with all the precious leaves toward the inside. You can take your choice of hydraulic or hand-crank reel lift. Mounted or pull-type, in 7 and 8 foot sizes.

Now it's **MASSEY-FERGUSON**

Massey-Ferguson Inc., Racine, Wisconsin

World's most famous combines and the only tractors with the Ferguson System

Awards...for You

FFA awards are open to all members. There's competition, but you can't lose when you work for a Foundation award.

By John Farrar

WE FOUND OUT long ago that the pot at the end of the rainbow is just so much hooey, but there is a lot of solid cash held out for Future Farmers who have the ambition to win it.

And if you're not impressed by money, there are other, perhaps longer lasting, things to be won, such as medals, certificates, honor, recognition, maybe even good publicity. About 50 thousand FFA members cashed in last year.

The big winner was Clarence Chappell of Belvidere, North Carolina, who picked up $1,000 in cash and national publicity as Star Farmer of America. More than a thousand FFA members won cash awards ranging from $75 to $500. Many others received cash in lesser amounts, and some 45 thousand received medals for excellence in their local chapters.

There's more where that came from. The Future Farmers of America Foundation, Inc. has budgeted $153,870.12 for awards to FFA members in 1958. An additional amount of $17,870.35 has been set up for awards to members of the New Farmers of America. More than 300 business concerns, organizations, and individuals contributed to the Foundation last year to provide the funds. Contributions already are being received by the Foundation treasurer for the 1959 program.

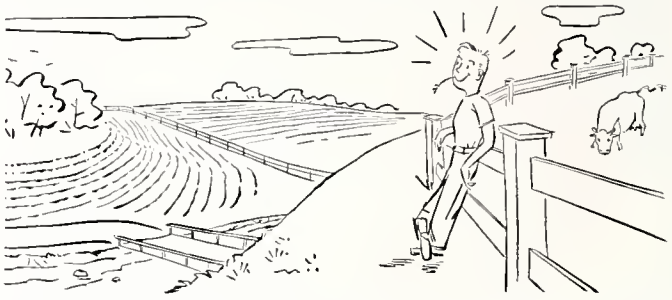
Let's see what you can win:

Public Speaking: Participate in the FFA Public Speaking Contest and learn how to win arguments and influence people. You can win a medal for being best in your chapter; $100 if you are state winner; $160 to $250 if you make it to the national finals in Kansas City. Additional money is made available to help pay travel expenses to the regional and national contests. In some states, awards also are provided on a district or federation basis.

Farm Safety: Everybody gets into the act of competing for the FFA Foundation's awards in Farm Safety. Locally, a single member is chosen to receive the medal for the best individual safety work. When it comes to state and national competition, though, the achievements of the entire chapter are considered. Awards are $100 for the state winner, $200 each for the three regional winners, and $250 for the chapter that is tops in the nation. An extra $250 travel fund helps pay expenses of regional and national winners to Kansas City.

Dairy Farming, Farm Electrification, Farm Mechanics, Soil and Water Management: Awards are the same in all four of these categories—a medal for the local chapter winner, $100 for best in the state, three regional prizes of $200 each, and $250 for the national champ. An additional $250 in each award is divided among the four top winners to help pay their travel expenses to the National FFA Convention at Kansas City, or in the case of Dairy Farming awards, to Waterloo, Iowa. In many states, additional cash awards are provided for the runner-ups.

Star Farmer: These are the elite of the FFA award winners. There is a medal for the star farmer of your chapter; $200 for each Star State Farmer. Each year three American Farmer degree winners receive regional awards of $500. A fourth, the best of them all, is named Star Farmer of America. He's sort of FFA "King for a Year," and he gets a $1,000 check from the Foundation. All American Farmer Degree winners who attend the National Convention receive travel awards of $75 to $160, depending upon the distance they have to travel.



National Judging Contests: The Foundation budgets $12,500 each year for national contests in judging dairy cattle and dairy products at Waterloo; livestock, poultry and meats at Kansas City. About $2,500 goes for team plaques and individual award medals. The remainder is used to help pay travel expenses of teams to the contests.

State Awards for Improving Agriculture and Leadership: That's a lot of name for an award program, but what it means is that there is so much variety in the needs of the different State FFA Associations that about a third, $50,000 to be exact, of the Foundation's budget is allocated to the states to be used in special award programs designed to meet specific needs of the respective states. A minimum of $150 is granted each state, and the remainder is divided on a membership ratio basis.

A wide variety of awards is made available to FFA members through this program.

How do you get an FFA Foundation award? Do good work, then submit an application. It's as simple as that, although that first item, "do good work," covers a lot of territory. Detailed rules and announcements are available in the printed FFA Foundation "Program for 1958" booklet. Copies of this booklet will be mailed to all FFA chapters in late March. Most chapters already have the "Program for 1957" booklet, and it's about the same as the new one. Chapter advisors may obtain the local chapter award medals and application forms for state and national awards from their state advisors.

There's competition, of course. But the best thing about it is that you can't lose when you work for an FFA Foundation award. Even though you don't receive the prize, in striving for it you develop your farming and leadership abilities, and in the long run that's what REALLY pays off.

'58 Dodge Power Giants give you new style for jaunts to town . . . new power for heavy hauls!

Your first trip to town in a new Dodge *Power Giant* will give your spirits a wonderful lift.

People are bound to take notice, because Dodge is one truck that's really new for '58—from smart new styling to exciting new performance. Matter of fact, comparisons show that Dodge for 1958 leads the low-priced three *all four ways:*

1. Dodge leads in styling—with sculptured, flowing lines, dual headlights, richly chromed grilles—styling you can count on not to go *out* of style!

2. Dodge leads in V-8 power—in every single popular farm model. This reserve power gives you better performance, safer passing out on the highway, plenty of extra *pull* when you need it!

3. Dodge leads in payload. Advanced engineering adds strength without weight, lets you haul up to $\frac{1}{3}$ more—save trips, time, fuel!

4. Dodge leads in economy—low in price, low in operating cost. Exclusive Power-Dome V-8 design gives *full* power—and more miles per gallon—on money-saving *regular* gas!

Remember, it pays to compare before you buy a new truck. So, instead of habit-buying the same old make, be sure to take a few minutes to drive a new '58 Dodge *Power Giant*—and to get your dealer's special Dodge Truck 40th-anniversary deal. You'll be money ahead if you do!

DODGE *Power Giants*

photo roundup

The champion FFA Hereford shown by Douglas Hulme is admired by Tennessee Ernie Ford and Larry Earhart, president, Ohio State Junior Fair Board. Ford owns a ranch in California.

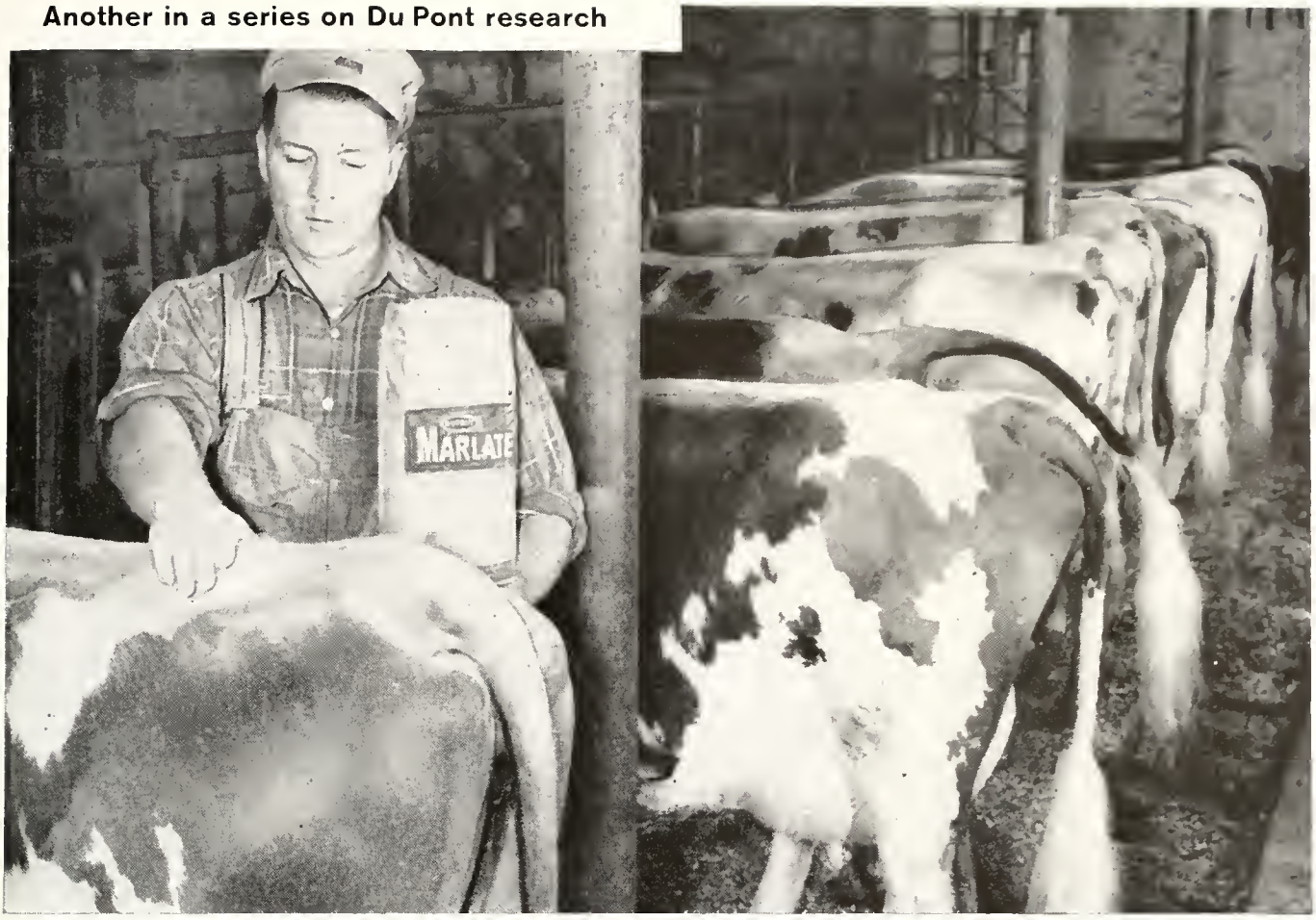
The Montello Chapter's annual game feed features wild game shot by members. Shown at the feed are Chapter President Tom McDowell, his father Don, director, Wisconsin Department of Agriculture, and Advisor Jack Whirry.

The string board pictured may look like a drunk spider but it really represents footsteps of farmer's chore routes. The string is a means of tracing the footsteps taken by the dairyman in doing his feeding and milking chores. Several boards were made to study the efficiency of different types of dairy farms. They were used in vocational agriculture classes at Norwayne High School located at Creston, Ohio.

Bobby Horak and Larry Plum, Green Hands at Lone Tree, Iowa, are ear notching day old pigs. Each pig was weighed and will be weighed again when weaned at 56 days of age. They will then know exact rate of gain.

National FFA Officers enjoy a visit with Vice President Nixon. They were in Washington for the January meeting of the FFA Board of Directors and the FFA Foundation. Also shown is Paul Gray, national FFA executive secretary.

Another in a series on Du Pont research



• This dairyman is controlling hornflies the new, easy way. Du Pont Marlate® 50 methoxychlor insecticide is rubbed on just as it comes from the bag. No mixing, no sprayer is needed to kill hornflies this fast, simple way.

Every year chemistry finds new ways to help you farm more easily and better

You and your neighbors are farming better today than ever before. And, to do so, you use more and more of the results of chemical research.

An outstanding example is "Marlate" methoxychlor. It is an insecticide developed by Du Pont and has many farm uses.

Dairymen have found that "Marlate" is the easiest, longest-lasting, lowest-cost control for hornflies. Simply sprinkle a rounded tablespoon of it on the back and neck of each cow and rub it gently against the hair. This does the job for two to three weeks, and there's no residue in the milk when this method is used according to directions.

When used as a residual spray in dairy buildings, "Marlate" controls stable flies and house flies; in grain bins it helps keep out weevils and other insects.

"Marlate" plays an important role as an insecticide in producing quality fruit and vegetables, too. Many commercial growers rely on it and so do home gardeners.

"Marlate" is another example of how Du Pont chemistry helps the American farmer do a better job and do it more easily.

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BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

wonders of the plant world

By Frank L. Remington

PLANTS are the oldest, biggest, strongest, and most numerous living things on earth. Unknown to most of us, the battle for life in the plant kingdom is as ruthless as in the animal kingdom. Often the two great classes of living things are pitted against each other. It's well known, for instance, that certain plants capture and "eat" insects and other animals. In fact, science can now identify some 450 flesh-eating plants.

In Nicaragura, a naturalist describes a tree that captures and sucks the life blood from dogs and cats that venture too close to it. From Mexico come many tales of a strange plant that feeds on chickens. There are numerous flesh-eating plants in the United States that catch and devour small birds, insects, and other creatures. Take the Venus-flytrap, a rather small and inconspicious plant. Harmless as it appears, this flower is a death trap for insects unfortunate enough to blunder onto it. A bee winging past might be attracted by its sweet, moist leaves and alight on one of them. Instantly, the interlocking spines on two sides of the leaf snap closed like a steel trap to form a death cell. The leaf remains closed for several days while digesting the bee. Then the remains are ejected and the trap set for the next victim.

Among the plant criminals are members who use methods such as strangulation, bloodsucking, and smothering to kill other plants. The dodder, for instance, twists and crawls like a venomous serpent over other plants, subsisting on their sap and often strangling them to death with its long yellow stocks. Likewise, the lovely aster and daisy, as well as the goldenrod, the milkweed, and other flowers smother their frailer neighbors by blocking off the life-giving sunlight and usurping the soil.

In a comparison of the plant and animal worlds, the plants by no means come out second best. The largest of all animals, be it elephant or whale, is puny in comparison with some of the plant giants. Even if stood on its tail, the largest whale could not reach the lowermost limbs of a California sequoia tree.

And in a test of strength the huskiest elephant could not duplicate the amazing feats of the most slender root of a tree. A thread-like vine, for instance, can crack solid rock and push itself up through the hardest earth. Even a weakly mushroom can crack through a concrete floor with ease.

Scientists have conducted various experiments on plants with remarkable results. They have found that so-called sensitive plants respond to a touch or loud noise by closing their leaves instantly and only opening them again when the menace has disappeared. One school holds that this is a reflex action. Any doctor, however, will explain that a reflex action, like the blinking of the eye when something comes close to it, occurs over and over again whenever the same stimulus is applied. But a sensitive plant doesn't react in this manner. It will shrivel up its leaves the first several times it is touched or otherwise disturbed. After that, if no harm comes to it, the leaves will remain open no matter how often the same stimulus is applied.

Not so long ago an English researcher carried out a series of amazing tests. He planted a vine in an area utterly devoid of any object on which it could climb. Quite a few yards away he sank a pole into the ground. Almost immediately the vine began to grow toward it. But before it arrived, the experimenter pulled up the pole and set it down some distance away on the opposite side. Not to be fooled, the vine reversed its course, making its way toward the new position. Time and again, the investigator moved the pole's position and on each occasion the vine attempted to reach it. Finally, however, the vine gave up its efforts to reach the support, even when it was placed close by.

Among their many talents, various members of the plant kingdom can produce toxic liquid that is deadly poison to other living things and for which there is no known antidote. Take the acacia which grows in Africa. If this noxious tree merely touches the eye of an animal, permanent blindness results. The poison secured from the fruit of the Brazilian Manchineel tree has been used by Indians for centuries for dipping the tips of their blow gun darts. This venom acts so swiftly that the slightest scratch from a treated arrow brings almost instantaneous death. Indeed, persons resting in the shade of the Manchineel have been poisoned by its stamen dust floating in the air.

There's no end to the wonders and beauties of the plant kingdom. Some plants, like bacteria, are so very minute that they never show themselves to the naked eye. Millions of them live in every square inch of earth, in every drop of water and in every particle of air. Countless hordes of them grow in the tissues of your body and in every other living creature. Without them, there would be no food, no water, and no life. Yet, these tiny organisms are also responsible for illness, epidemics, and deathly plagues, thus playing a dual role as man's best friend and worst enemy.

In the final analysis, man and all other animals depend on plants for food, clothing and most other essentials of life. No matter what food you eat or what item of apparel you wear, it can be traced back to some form of vegetable life. Plants manufacture the very oxygen you breathe and consume the poisonous carbon dioxide you exhale. Without this all-important function man could exist but a few moments. The plants, however, are in no way dependent upon man. If it should ever come to a showdown between plants and animals, the plants would undoubtedly win. ◆◆◆

"I'll have to hand it to you guys . . . you had me completely fooled on that pitch!"

International is a one-word promise that a truck can do its job.

A promise kept for 51 years.

Now, in fast-moving 1958, International also means a fresh, original expression of *color*, *style*, *power*, and *comfort* you have to see in person to believe.

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* First choice of professional truck operators, who must have superb quality and who measure costs to the penny.
* Every part designed to do a truck's job. It's truck quality, pure and simple, that keeps an INTERNATIONAL going—longer—at least cost to you.

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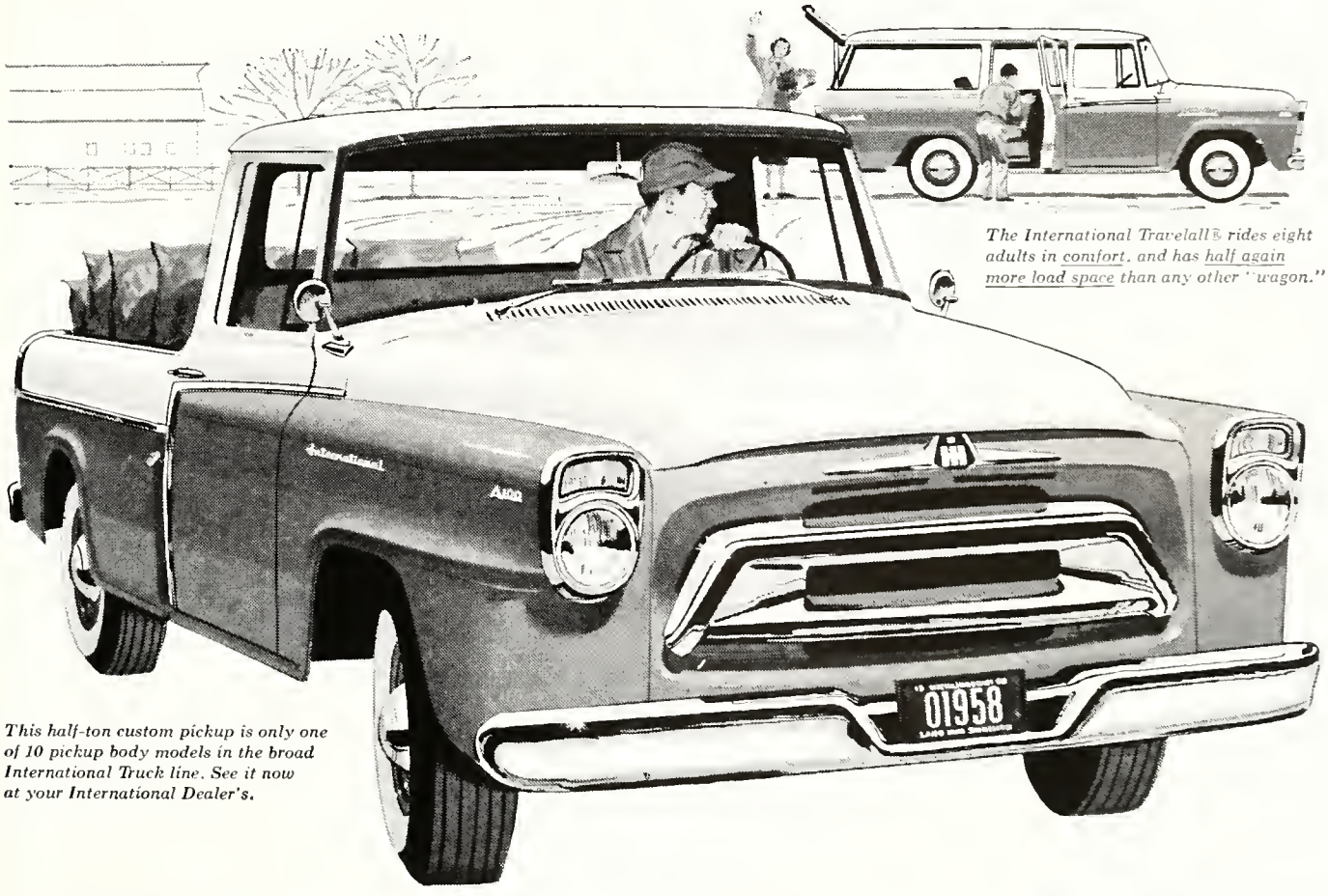


The International Travelall® rides eight adults in comfort, and has half again more load space than any other "wagon."

This half-ton custom pickup is only one of 10 pickup body models in the broad International Truck line. See it now at your International Dealer's.

INTERNATIONAL TRUCKS cost least to own!

MORE MILK *through Farm Mechanics*

This Future Farmer used his skill in farm mechanics to cut labor on his dairy farm and earn a national award.

FARM MECHANICS is no sideline for Future Farmer Ralph Thomas Morgan of Route 2, Ninnekah, Oklahoma. He uses mechanical skill to make improvements in his extensive dairy farming program.

It was this application of mechanics to dairying that impressed the judges last fall when they selected Ralph to receive the FFA Foundation's national Farm Mechanics Award.

Ralph is a 1957 graduate of the Ninnekah High School. He operates a 340-acre farm with his father, keeping 60 to 70 head of dairy cattle. Ralph's personal ownership at the time he completed high school included 23 head of dairy cattle, 5 of beef cattle, and 33 of swine.

"A dairy farm requires a tremendous amount of work unless proper labor-saving equipment is used," Ralph explained. "When I first enrolled in vocational agriculture, my instructor, Mr. Wesley Hobbs, sat down with my father and me and helped us outline a long-range plan for cutting down labor by building the needed equipment, buildings, and machinery to keep pace with our growing dairy herd. At that time we had only about 35 head of cattle."

Ralph set about learning to weld in the High School's farm shop. He didn't waste time with piddling projects. Using salvaged pipe and steel, he built several farm gates, then built some hay and silage feeders out of old steel barrels, scrap angle iron, and pipe. Three or four barrels were used in each feeder for convenient length. Duing his four years in school, Ralph built 10 of the feeders.

Look closely and you'll see pieces of old combines, cars, even bed rails in this 60 bushel capacity portable feed mixer Ralph built. It works, too.

Another freshman project was the construction of a two-sow farrowing house, using lumber purchased cooperatively with other members of the FFA Chapter. It also was during this first year that he converted an old two-car garage into his first home farm shop.

As a freshman, Ralph won the state Farm Electrification Award. He promptly soaked the $100 prize money into the purchase of an electric welder for the home farm shop, then started to work getting ready for the construction of a new walk-in type milking parlor and barn.

During the summer and fall months he built the stanchions, steel trusses, and steel window frames for the building. The stanchions were a part of the Ninnekah Chapter's farm shop exhibit that won first place in the 1954 State Fair. Part of his time was spent constructing two large ensilage trailers, and more hay and silage feeders.

In the spring of 1955, Ralph and his dad began construction of their new milk barn. The two did all the work, except on those occasions when other members of the FFA Chapter came out to help.

Ralph welded the steel roof trusses in place (he's teaching Mr. Morgan to weld now). He also did all the electrical wiring, half the plumbing, and he still continues to do painting and other maintenance work to keep the building in tip-top shape. The barn is 24 by 30 feet, containing four rooms. Cow stalls are elevated for stand-up convenience in milking. The nine metal roof trusses that Ralph built are made of angle iron from heavy bed railings that he salvaged.

The barn was Ralph's really big project, but he didn't stop there. Here's his own account of major farm mechanics activities during his junior and senior years:

"I built an all-metal (except for wood floor) farrowing house with a removable farrowing stall. The house is portable and the sides open up for summer use. This farrowing house was part of our Chapter's farm shop exhibit that won first place in the 1955 State Fair. As a junior, I also built a tractor-mounted posthole digger and a tractor-mounted grader blade to speed up cleaning of our lots, loafing sheds, and in building and repairing terraces. My father and I built a new loafing shed next to our milking parlor. This resulted in a labor saving of about 20 to 30 minutes at each milking over our previous layout.

"During the last year in school I converted our old milk barn into a larger farm shop than the one I had. I remodeled and added onto our calf barn, installing individual stalls. I built two metal creep feeders, a bulldozer for our farm tractor, an overhead hayrack for my new truck, and several other minor pieces of farm and shop equipment.

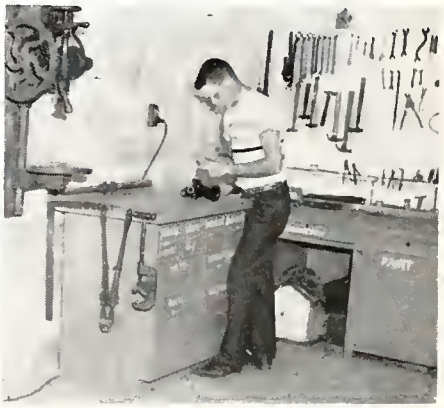
"My most recent piece of equipment is a portable feed mixer. I constructed it to help offset the extra cost of dairy feed. It will mix about 60 bushels at a load and is powered by the tractor."

Ralph has had complete managerial responsibility in his farm mechanics work, with the exception of the new barn and the loafing shed. He shared responsibility on those two jobs with Mr. Morgan.

He's just 18 years old now. Chances are more than good that the FFA will be hearing more from Ralph Morgan, a Future Farmer who used skill in mechanics to gain the equipment needed in his farming program.

◆◆◆

Ralph is proud of his farm shop which he keeps neat and orderly. He started in a two-car garage, later converted a 12 x 25 foot milk barn into a shop.



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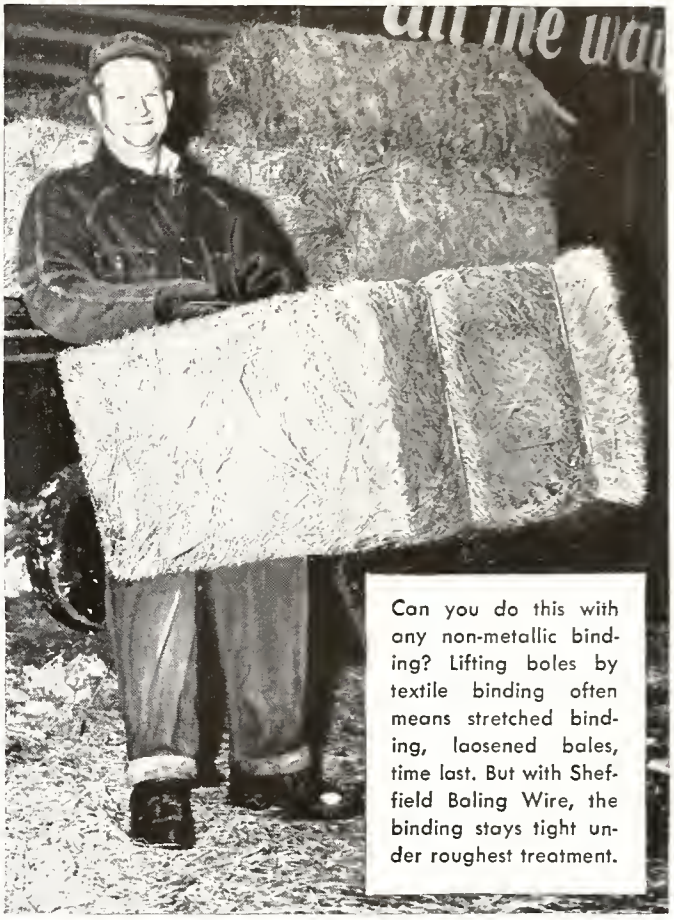
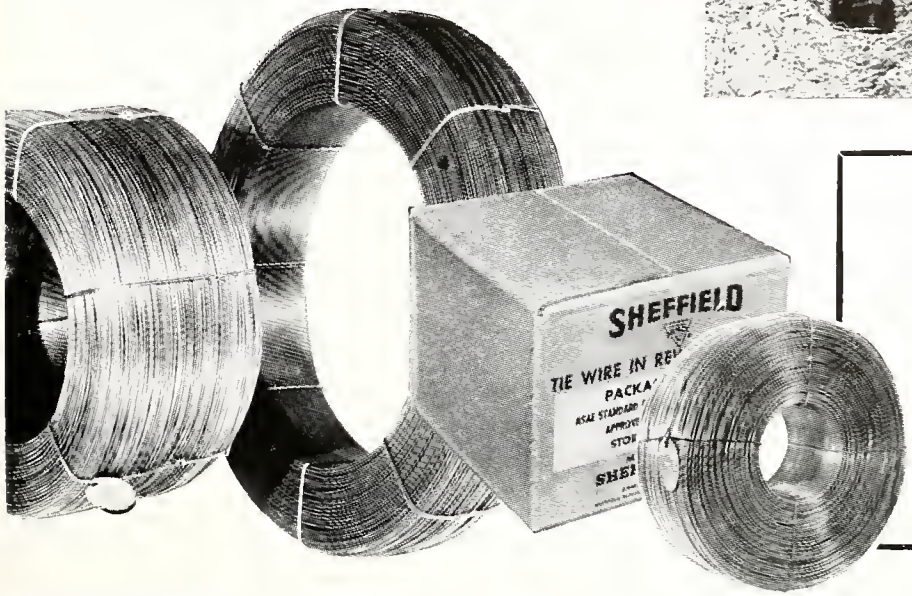


Can you do this with any non-metallic binding? Lifting boles by textile binding often means stretched binding, laosened bales, time last. But with Sheffield Baling Wire, the binding stays tight under roughest treatment.



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high house

By Ewart A. Autry

FEAR always walks ahead when men invade the homeland of others. It was there when the timber crew began its work at the edge of the big cypress swamp. It stalked ahead and knocked at the door of every creature until the inhabitants of that swampland were more afraid than they had ever been in their lives.

It began when the power saw bit into the first tree, and spread as that lofty monarch crashed to earth. Its pace increased as the crew launched its timber cry which ran across the swamp and leaped back from the hills beyond. Even the echoes were as enemies to the inhabitants of that land. They knew that the invaders had come and that the long years of peace in the big swamp were at an end.

Flocks of herons beat their wings furiously and arose above the trees. There they were joined by crows darting back and forth and eawing raucously as they peered downward toward the spot where the great tree had thundered to its death. A swamp owl hopped to the door of his home high in a hollow cypress and sat blinking at the bright sunlight as he turned his head toward the strange sounds. A pair of muskrats frolicking in a pool paused with their heads above the surface, then disappeared swiftly in a swirl of water. A mink peered briefly from his den beneath an uprooted tree, then slunk furtively back into the shadows. Even a water snake, sunning in the grass, lifted its head in alarm and slithered into a slough.

Fear came last to the raccoon den in the huge storm-marked cypress at the far edge of the swamp. The second tree had fallen before the scarred old daddy of the den thrust his mask-like face to the door and looked out aeross the tree tops. Behind him, in the snug depths of his house, sat his mate with four young ones just big enough to begin to explore their home. He watched as the third tree swayed and swished and disappeared on its downward journey. Its crashing sound came up to his castle, but he neither trembled nor moved his expressionless face from the door.

No harm had ever come to him in that lofty house. He had been born on a night when lightning thrust its fiery tongue into the swamp, and thunder rolled away across the hills. The storm winds had rocked his cradle with a mighty hand, and the slanting rain had filled the river until it rushed out and whispered at the very roots of the great cypress. But no harm had come to him that night, nor to his two brothers and a sister. They had nestled close to the warm side of their mother, and there had been no fear of the angry storm which raged aeross the swamp.

When he was half grown his entire family had perished in a single night. The children had traveled with their parents to a corn field back in the hills. While they were eating young roasting ears there had been a sudden yelping of hounds. The parents, followed by three of their young, had sprinted up a large water oak at the edge of the field. Feasting a little apart from the others, he had been terror stricken to find that the hounds were baying at the foot of the tree before he could get there. Frantically he had turned and raced toward the cypress den. He had been no more than half way up its trunk when there had come a roaring of guns from the direction of the cornfield. Though he had not understood their meaning, they had been frightening enough to send him hurrying to

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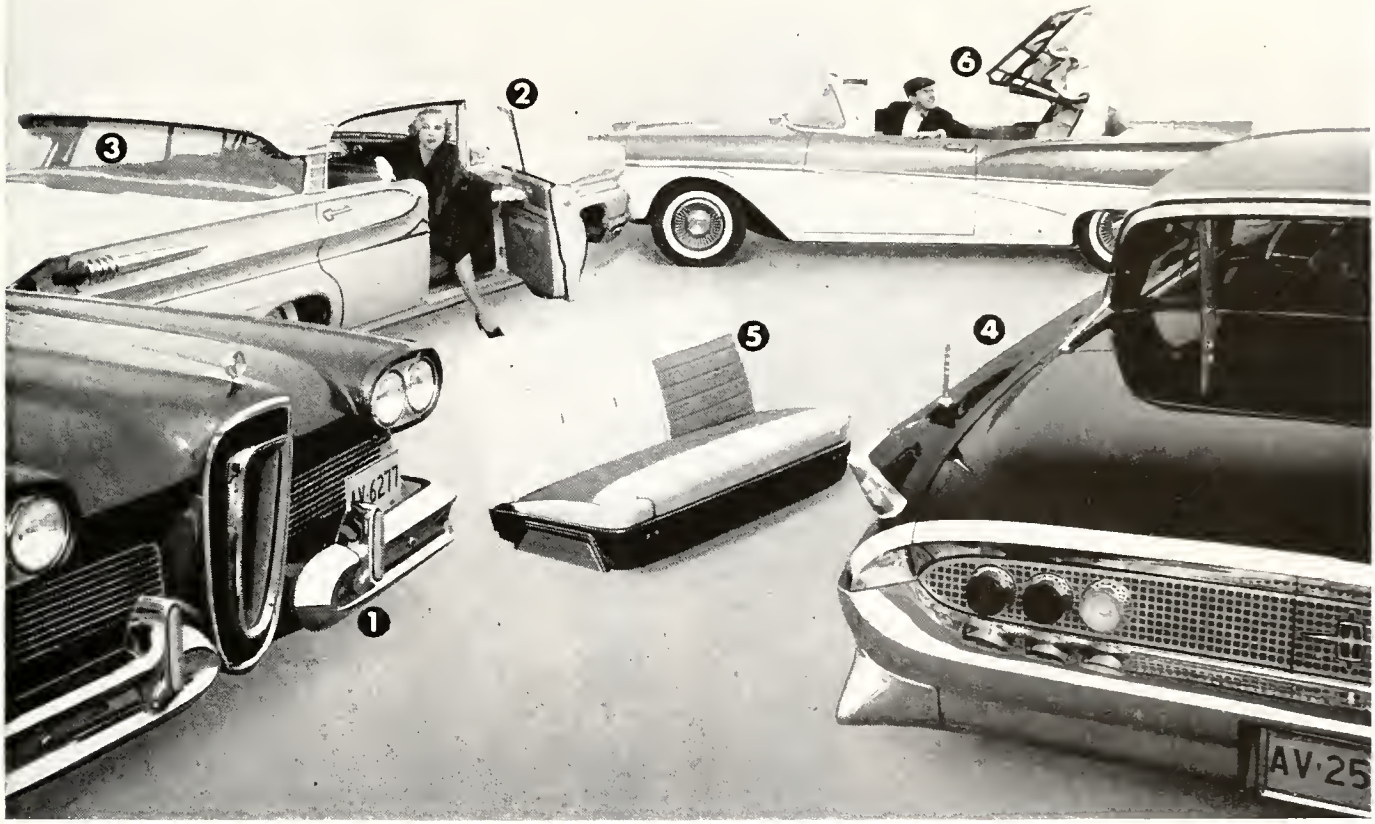
6. Thinking about a convertible? The quality of the top is all-important. Ford Motor Company uses only color-fast, vinyl-coated cottons securely stitched and reinforced in critical areas for extra strength.



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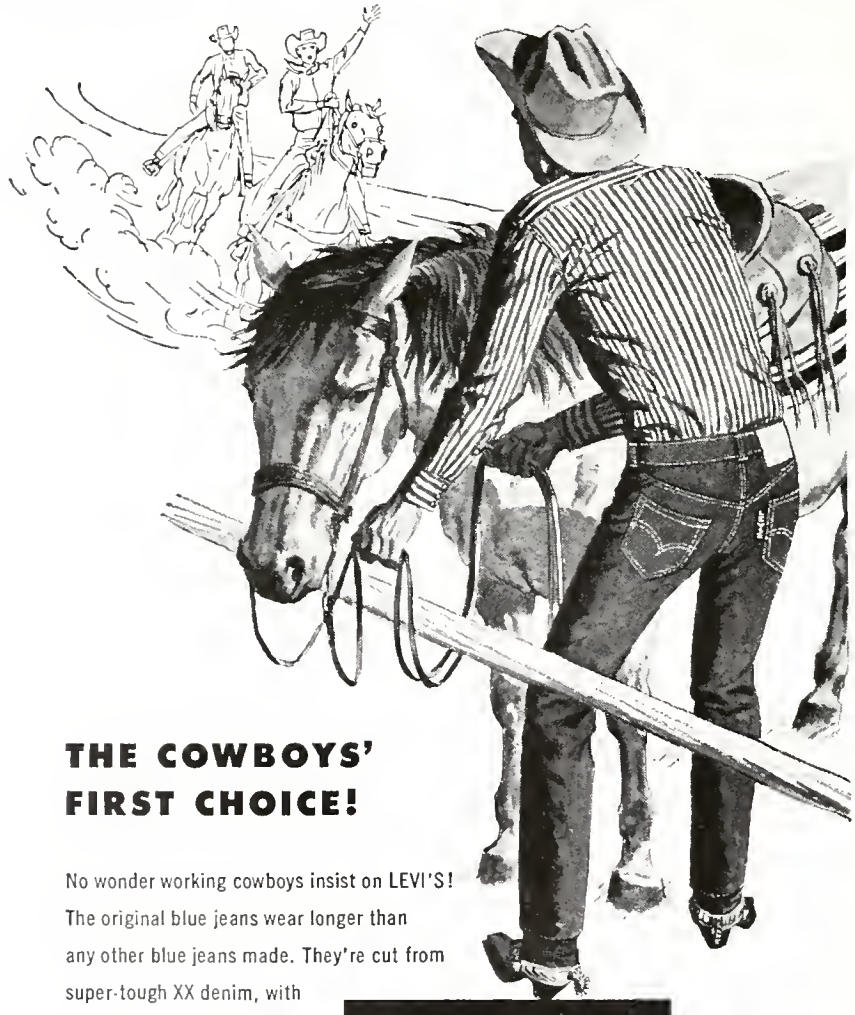

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the farthest corner of the den. Later the dogs had trailed him to the tree and men had come to talk and shine their lights upon it, but in the shelter of his high house their voices had seemed far away.

No member of his family had ever returned from that journey to the corn field. Though he could not understand what had happened to them, there had been born within him that night the feeling that there would always be safety for him in the house of his birth. Thereafter on his nightly forays for food he had always rushed home when danger dogged his footsteps.

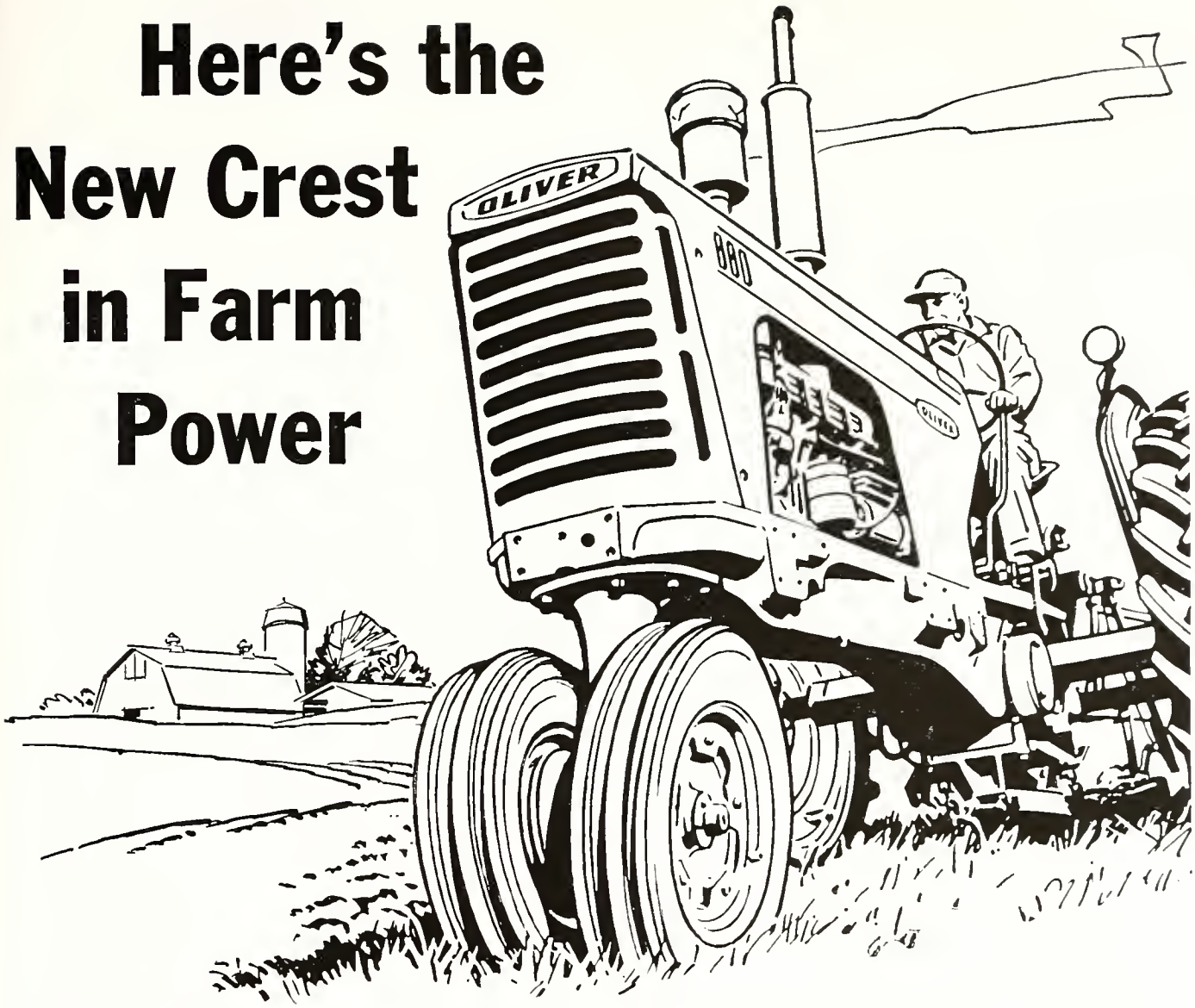
With the passing of time he had grown into a monstrous fellow whose tracks were known by every hunter of that section. His range included territory far beyond the corn field where his family had perished. Hounds had often struck his trail, but had never been able to put him up any tree except the big cypress at the edge of the swamp, and it was of such size and value that no hunter would ever cut it for a 'coon.

Men who hunted had tagged him with the nickname of "Old Raeky." Because of his immense size they wanted him alive so that he could be entered in one of their "Coon on a log" contests. These contests consist of placing a raccoon on a floating chunk, then sending one hound at the time out after him. The first hound to succeed in pulling him into the water wins a prize for his owner. It takes a lot of courage for any animal to sit alone and fight when fully ringed by shouting human beings and baying hounds. Nothing of like size on earth would do it with more courage than a raccoon.

The hunters had always figured that "Old Racky" would be a star performer. They had tried every trick they knew to tree him away from the big cypress. They had even split their hounds into several packs and tried to head him off. A lone hound had once

"Well, you chopped his house down!"

Here's the New Crest in Farm Power



Again, in a brilliant new tractor fleet, Oliver has put power to work in exciting new ways to make farming easier and more efficient.

Here, from the industry's design leader, comes a bold new *look* in power. A new freshness in line, a new brightness in special colors of meadow green and clover white. And a buoyant new *feel* of power in every inch and ounce of every new model. A spirited new response from smooth, big-power engines.

There's more of everything, all around. Take the new row crop 770 and 880 models. They're up in horsepower—well over the 50 mark on the drawbar in the new 4-5 plow 880. There's new booster power in every working speed, plus more pulling power with a new hitch, power-shift wheels and power steering.

These superb new Olivers were developed to give farming a new lift, to present a new concept in the look and feel of power, to set a new standard in tractor utility.

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OLIVER **OLIVER**

"FINEST IN FARM MACHINERY"

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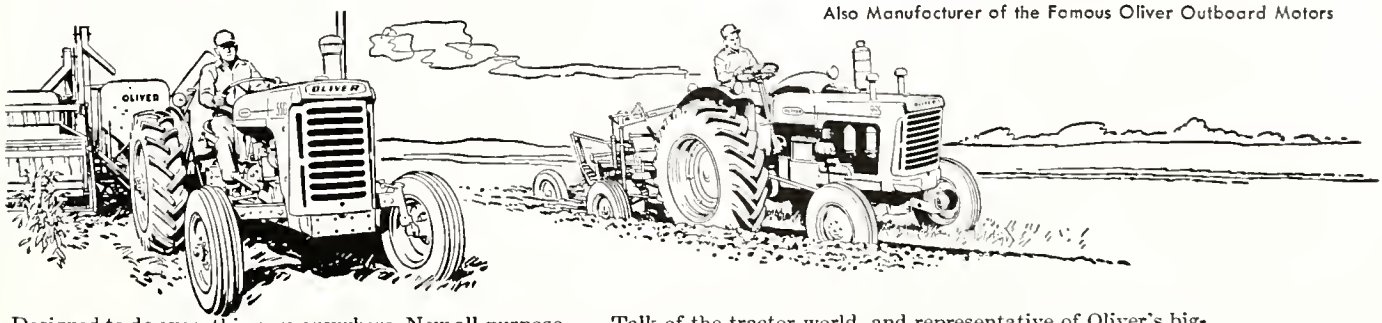

Designed to do everything, go anywhere. New all-purpose 550, a 2-3 plow model powered right, sized right for any farm, to handle hundreds of jobs with unusual economy.

Talk of the tractor world, and representative of Oliver's big-tractor line, is this 6-plow 995 GM Lugmatic with a truly automatic torque converter that offers 35% more lugging horsepower.

been able to lay mouth on him, but had been glad to take it off. "Old Racky" had performed several quick operations on his face and ears. The hunters had even built fires near the base of the cypress hoping to frighten the big coon when he approached. He had, however, quickly scampered up a nearby maple and leaped to a limb of the cypress.

CUCKOO CLOCKS

from the Black Forest. Calling "Cuckoo" every ¼ hour. In beautiful colors, lovely for children's room. 7¼" high. **Boy & Girl Clock — $6.95**

Birdnest Clock, enchanting, will also be beautiful in a kitchen. 7" high. Bird in moving motion. **Birdnest Clock ——— $6.95**

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A grizzled hunter had remarked that night, "We'll never be able to get him, boys. 'Old Racky' is smart enough to know he's safe in that tree, and he'll never let us corner him away from it."

But the invaders had come to the swamp, and their timber cry was in the air. There would be no more peace until the last great giant had fallen. "Old Racky" watched until the fourth tree had fallen, then moved back into the den and fell asleep. If he had dreams there was no fear in them. He had caught the scent of men as he sat at the entrance, but no man had ever knocked at the door of his high house, so within its walls he had never known the meaning of fear. He had slept a great deal during the past months. Old age had come to his sky castle and was demanding its toll. His claws were worn and he was always weary after the long climb to the den. So he slept while trees tumbled at the far edge of the big swamp.

His mate was not so calm. She moved to the door and watched nervously as the trees fell. The big cypress had not always been her home, so she lacked faith in the security of its walls. She was the fourth mate to set up housekeeping with "Old Racky." The others had gone out into the nights and never returned. Perhaps they, too,

"I—uh—ate it."

had perished along the boundaries of the distant corn fields. It was her first season in the cypress, so she was afraid as she sat at the door and watched the trees fall.

They fell all that day, and the next and the next. Each day the sound of the saw was nearer, and the time came when the crashing of the giants vibrated even in the high house of "Old Racky." Each morning he sat at the door for a little while and watched, then moved back into the cool shadows and slept. He slept even as the invaders of the big swamp drew nearer to his house.

His mate became more nervous each day. She would watch at the door until a tree began to fall, then rush to

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WHAM!
WHAM!
WHAM!
JUST LISTEN TO THAT POWER.
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YOU REALLY KNOW YOU'RE SHOOTING WITH REMINGTON "ROCKET" 22's!
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More Wham! More Zip! More Fun!
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They're talking about the bigger Power-Grip—the tire that gives so much traction that oversizing may be a thing of the past. Or they're talking about the low-priced Super Hi-Cleat, the Special Service tractor tire, and the complete line of front wheel and implement tires. No matter what your farm tire needs, it will pay you to see your nearby B.F.Goodrich dealer. *B.F.Goodrich Tire Co., A Division of The B.F.Goodrich Co., Akron 18, Ohio.*

Your B.F.Goodrich dealer is listed under Tires in the Yellow Pages of your phone book

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B.F.Goodrich farm tires

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her young. There was growing within her a desire to move her family from the big cypress. To her it had become a place of fear and danger. Then the morning came when the invaders were near enough that she could look down and see them as they worked. She knew that there would no longer be peace within the walls of her high house.

She managed to convey her feeling to "Old Racky" who had taken no more than a casual look before going to bed. He stared at her sleepily, then moved to the door and looked for a long time. A vague uneasiness grew within him as he saw the men and heard the sound of their voices. Then, too, the swamp beyond them seemed strange and barren. There came up to him the odor of withering leaves mingled with that of sweating men. The uneasiness grew, but it was not enough to take away the feeling of security he had always known in his cypress home. Slowly he went back and lay down and closed his eyes. He had seen and heard men before. They had even stood at the very foundation of his house, but they had always gone and left him in peace.

His mate would not let him rest that day. Each time he dozed she would awaken him and urge upon him the necessity of moving to a new home. The raging noises of crying saws, falling trees and shouting men drew very near to their house that day. By sunset trees had fallen within a hundred yards of the big cypress. Even the young ones in the den had begun to whimper and be afraid when the great trees fell.

"Old Racky" went slowly down the tree when night had come. The timber crew had gone and there was

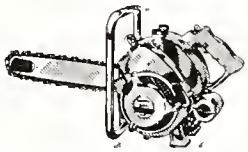
(Continued on page 45)

City Cousin

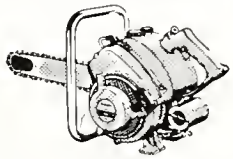
"Because it's good fertilizer and it would cost too much to build a barn that would flush."

MORE CHAIN POWER

Now...get up to one extra horsepower for your money!



MORE CHAIN POWER IN 5-HP CLASS. New Golden "Logmaster" has Roller-Bearing nose, direct drive, 18", 24" and 30" bar sizes. Engine weight 22 lbs. Retail price from $285.00* complete.

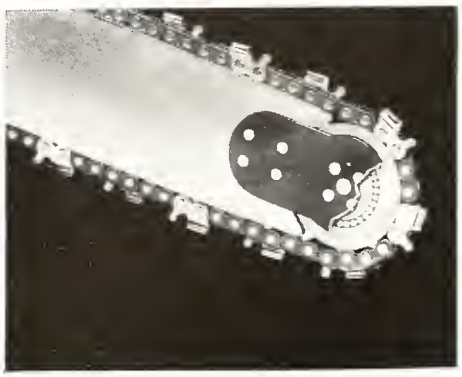


MORE CHAIN POWER IN 3-HP CLASS. New Silver "Logmaster" has Roller-Bearing nose, direct drive, 18", 24" and 30" bar sizes. Engine weight 21 lbs. Retail price from $229.00* complete.

Each Remington chain saw has the revolutionary Roller-Bearing nose that cuts wasteful friction . . . delivers up to 20% more usable chain power. That means up to one extra *horsepower* in the 5-hp Golden "Logmaster" and faster, easier cutting for you!

But a bonus of power is just one advantage. Remington chain saws are *dependable*, built for the most demanding service . . . with non-clogging air filter, positive rewind starter with nylon cord, thumb-button oiler, sturdy cast-aluminum housing and numerous other features.

Get acquainted with these powerful, direct-drive saws that offer fast, efficient cutting in any position...ask your dealer to demonstrate Remington chain saws. They're your best dollar value in saws today!



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(Continued from page 23)

survey of the home farm was then conducted to determine the improvements that could be made through the use of electricity. Valuable assistance was secured from members of the Appalachian Electric Power Company of Bluefield, West Virginia. A four-year expanding program of farm electrification was developed to help Earl carry on his farming program.

Earl diligently pursued his program and each FFA activity provided additional encouragement. Because of his handicap, electricity was a most helpful servant. His first projects centered around the home. One of the most notable ones was the conversion of an old foot-pedal sewing machine to a convenient electric-powered machine. This was accomplished by the installation of an electric power motor and a system of belts and pulleys.

Next, Earl rewired the farm home and added many circuits and receptacles. An electric water pump was then installed, providing a pressure water system for greater home comfort. This in turn led to the installation of a water heater, electric range, deep freezer, two window fans, and eleven other electrical appliances.

Gradually his projects reached all areas of the farm. Earl constructed a 500-chick capacity infra-red electrical brooder with pilot light and thermostatic controls. A 15-watt egg candler, a 250-watt pig and lamb brooder, and a chicken water warmer were also constructed to improve home farm operations.

Ingenuity pays great dividends in farming and in the FFA award programs. To remedy the usual battery problems incurred on a modern farm, Earl constructed a portable battery charger from a discarded car generator, an electric motor from an old refrigerator, an amp meter, and two clamps. The cost of materials was less than $15.

Electrictiy was next put to use when a discarded hand-powered grindstone was acquired and converted. Earl mounted this on a fine angle iron frame constructed as a shop welding project. Using an old barrel, an electric motor, a flexible shaft, and an old pump, he constructed an electric livestock and chemical weed sprayer. An electric hotbed using heating tape was another shop project that greatly added to the efficiency of the farm.

Every good farmer needs a home farm shop. Earl made provisions for this valuable addition early in his project planning. He constructed and wired a small farm shop and installed many pieces of electrical equipment. For his shop, he constructed two electric-powered bench grinders, two portable bench lamps, a shop exhaust fan, an electric paint and chemical mixer, three extension cords, and two portable electric motors for use on the power saw, jointer, drill press, and other equipment. In this shop, Earl constructed two farm trailers and wired them for lights as part of his farm safety progam.

During his program in vocational agriculture, Earl performed services on other farms, as many sought his services. The money that he derived from this electrical work was put itno a savings account for his college career. To this was added the cash awards received in the state and national contests in farm electrification.

Earl was very active in all phases of the FFA program and proved a very capable leader while serving as chapter assistant vice-president, reporter, secretary and chairman of several committees. He conducted a satisfactory supervised farming program in spite of his physical handicap. His many and varied activities earned him the State Farmer Degree at the Virginia FFA Association's 1957 convention, at which time he was adjudged state winner in Farm Electrification.

Young Stinson served as chairman of the electrical safety committee in 1956 when the Rocky Gap Chapter won the national farm safety award. In the farm safety program, Earl and his committee prepared nine electrical safety exhibits, including the Virginia FFA Association's exhibit to the 1956 National FFA Convention. This group also displayed their work at state and regional safety conventions, including the 1957 Southern Safety Convention in Richmond, Virginia.

The winning educational exhibit at the 1957 Atlantic Rural Exposition prepared by the Rocky Gap FFA Chapter featured Earl's electrical craftsmanship in the wiring of the display. In view of his great electrical safety work, Earl accepted the Certificate of Merit award of the Virginia Safety Council, and the Award of Merit from the National Safety Council on behalf of his Chapter.

During his school career, young Stinson was the school electrician, making numerous installations and repairs. He also assisted in the care and maintenance of all electrical equipment in the vo-ag shop. It is also of great significance to point out that Earl became a star on his high school basketball team during his junior and senior years.

Electricity became a great servant for this youthful FFA Foundation Award winner. He greatly increased the standard of living on his home farm as well as farm efficiency. Even more important is the fact that his electrification program developed a hidden talent in a boy that refused to give up, and enabled him to overcome a serious handicap. The National FFA Foundation Award was a truly worth-while recognition of the challenges Earl had faced and conquered.

◆◆◆

A 500 capacity infra-red chick brooder was constructed at a cost of $12.80.

Earl's portable battery charger made of scrap has saved both time and money.

This paint sprayer and air compressor unit was another idea Earl developed.

silence around the big cypress. It was the same silence he had always known when night was there. His task, though, was a strange one to him. His mate had made him know that she wanted to move into another home before dawn. Before there could be any moving there had to be a house. It was his task to find one somewhere.

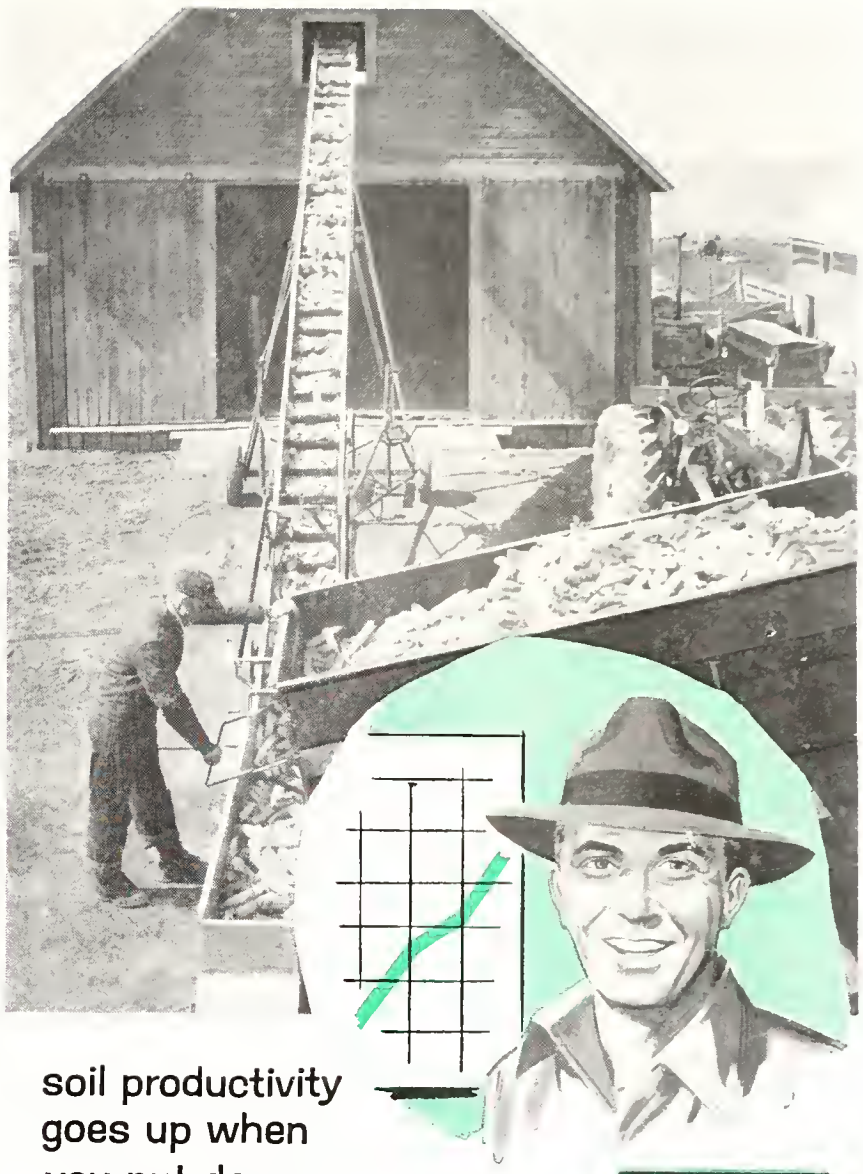
He sat very still for a few moments at the foot of the tree, then moved slowly toward the small river which edged the swamp. He did not hesitate at its brink, but swam across to where there was a stand of big timber. He began to climb trees and look for a house. Some of the trees had likely looking places, but careful examination showed him they would not do. Some seeped water, others had no door toward the sun, while still others were inhabited by bothersome insects.

It was almost midnight when he finally selected a house in a huge gum standing at the edge of a slough. It was almost as roomy as the one in the cypress and nearly as high from the ground. He was weary by the time he had found it, but the night was passing and there was no time for rest. He hurried back to the cypress and imparted the news to his mate.

For the two of them the moving would not have been a great task, but the young ones were not big enough to make the journey to the new home. "Old Racky" took one gently by the nape of its neck and edged down the tree. His mate followed with another. The journey down the tree was not easy, nor was the going across the bottomland. They had to rest often, and to be very careful as they swam the river.

The night was almost gone when the last baby was deposited in the new house. The mother cuddled her young, then lay down wearily and went to sleep. "Old Racky" tried to rest, but his eyes were wide. The walls of this house were strange, and the bed was not like the one in his old home. He was weary enough to sleep throughout every hour of the coming day, but without peace there would be no sleep.

He aroused and went out to sit on a high limb. Perhaps it was no accident



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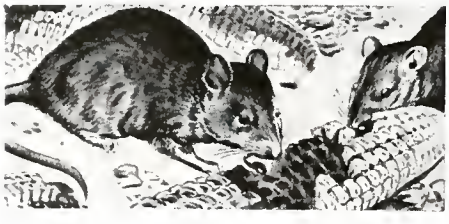

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that he sat with his face toward the big cypress. It was not yet dawn, but flashes of lightning from a gathering storm were darting across the bottomland and seeming to linger for a moment on the bosom of the river. A wind ran before the cloud chariots and shook the limb upon which he sat. He turned his head toward the east and saw that it was light.

Quickly he moved from the limb and down the trunk. Straight to the ground he went without even a backward glance toward the new home. All his life he had turned his face toward the big cypress at the first sign of dawn or danger. He did it now and moved as rapidly as his tired legs would carry him.

Day was breaking as he climbed the great trunk, but it was an ominous dawning with the angry force of the storm descending upon the swamp. "Old Racky" turned at the door and looked out across the swamp where the footsteps of the invaders had walked. He looked but briefly, then went inside and slept. The bed was soft, and around him were the familiar walls.

The storm was furious. Its wind wrestled savagely with the remaining trees. Its lightning spat viciously and gave birth to a thundering which rattled against the hills. The big cypress rocked and groaned. Suddenly there was an instant of brilliance up and down the full length of its mighty trunk and an explosion of thunder which seemed to jar the very depths of the swamp.

When the storm had gone the timber crew came, and with it were the hunters and their hounds. They had heard that the great tree would fall that day, and were very sure in their minds that "Old Racky" could never escape again. They noted where the lightning had fingered the giant, but their voices were loud and their hounds eager as the saw whined into its heart. Far up in his high house "Old Racky was not afraid, for on the wings of the lightning there had come the sleep which knows no fear. ◆◆◆

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By Stan Allen

FOR A man that is in his third decade in the top ranks of the professional golf world, "Slamming" Sammy Snead is still a tough and feared competitor.

Sam Snead, 46-year-old native of Hot Springs, Virginia, joined the pro ranks way back in 1934. Even at the early age of 22 his form and natural ability attracted much attention. His smooth flowing swing belied the driving power that was to soon earn him the nickname of "Slamming" Sammy.

As early as 1937, his third year in the pro ranks, Sam was among the top money leaders in the game, which is a yardstick sometimes used to measure a player's standing. In 1938 he moved up to the No. I spot and was named Outstanding Golfer of the Year.

His first close brush for National Honors came in the '38 P.G.A. Championship when he had to settle for second place after losing on the last hole. After losing this same tournament on the last hole again in 1940, Snead came back to win in 1942. During this four-year period Sam didn't finish below third place in total winnings.

Leaving the game to serve a two-year hitch in the United States Navy, Sam came back strong in late 1944 and finished seventh in winning and climbed to fourth in '45. He added two more major tournaments to his record in 1946 when he won the World Championship of Golf and then made the trip to England to win the British Open.

After slumping a bit in '47 and '48 Sam came back with a roar in 1949, winning the P.G.A. and Western Open Championships and he also won the Masters Tournament. He was runner up in the U.S.G.A. Men's Open, losing by just one stroke, and was voted as the P.G.A. Pro of the year.

Sam has kept up his winning ways in the past few years although he limited his play to major tournaments. In 1957 he only entered 10 official tournaments, although money wise, he enjoyed one of his best years since 1950. Four of his best tournaments were major ones that helped him place fourth on the list of top money leaders. His best tournament was the Dallas Open in which he shot a 20 stroke under par 264 and 72 holes—lowest of the year—to win first place.

Snead has represented the United States in International play, having been named to the Ryder Cup Team on five occasions. In 1956 Sam teamed up with Ben Hogan to win the Canada Cup for the United States and last year he teamed up with Jimmy Demaret for second place honors.

Many of the experts believe that 1958 might be the year for Snead to win the elusive U.S.G.A. Men's Open. This is the only major tournament he hasn't been able to win, although he has been runner-up three times, losing by only one stroke twice. He has won the Vardon Trophy four times and has been voted to Golf's Hall of Fame.

The gallery fans will certainly be back this year lining the fairways for a chance to watch the whip-like swing of one of the world's greatest golfers.

Wide World Photos, Inc.
"Slamming" Sammy Snead

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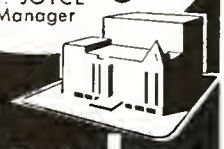

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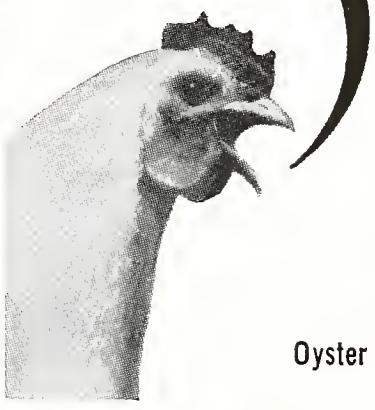

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why join JUNIOR BREED ASSOCIATIONS

By Wilson Carnes

IF YOU are planning a career in farming, don't overlook the junior breed associations. They may be able to help you realize your ambition and get more enjoyment out of doing it. Particularly is this true if you plan to raise registered livestock.

Practically all livestock breed associations are interested in you and your livestock career. Many of them have special youth programs designed to help young breeders who are interested in their particular breed. As a beginner, you may well consider the advantages of becoming affiliated with one of these associations.

WHO CAN JOIN?

Junior membership in most breed associations is open to anyone under 21 years of age who owns a registered animal of their particular breed. Of course, their requirements vary slightly, but owning a registered animal is usually the first step. The animal should be registered in your name.

Belonging to a farm youth group is also essential with most breed associations. As an active FFA member, you meet this requirement. There are exceptions, however, such as the American Shorthorn Breeders' Association, which will also grant junior membership to any boy or girl whose father or mother is a member of the Association.

In most cases, someone locally must nominate you. This is where your agriculture teacher can help. He can assist you with your application blank and sign it as your nominator or sponsor.

Junior membership is granted free by many breed associations if you meet their requirements. But again, we have exceptions. For example, the American Angus Association and the American Hereford Association charge a membership fee of $5. However, this fee is applied to the lifetime membership fee when the junior member reaches his twenty-first birthday. For Angus, the difference is $15. As a rule, none of the breeds have annual dues or other assessments.

ADVANTAGES?

Junior members of the breed associations have all the privileges of regular members of the association except voting. They can register and transfer animals at rates offered regular members.

Not to be overlooked is the enjoyment you will get from associating with people with a like interest. They may be other junior members or adult breeders in your locality. This can be fun as well as educational when it comes to learning more about better livestock.

As a junior member, you can keep up-to-date on breed activities. Most will send you information and reports about breed activities from time to time. Others, like the American Jersey Cattle Club, offer their breed journal at a reduced rate for junior members.

Another benefit is the services of the associations' field men who are constantly in touch with other breeders and sales over the country. They will be pleased to help you locate good animals within your price range when you want to purchase additional animals.

Many breeds offer special awards to junior members at fairs and shows. These are ribbons, rosettes, and cash awards, in addition to those already offered as prizes. Some of the dairy breed associations have other awards for outstanding young dairymen in the form of production contests, achievement programs, and the like.

After you have been accepted for

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junior membership, most breed associations will send you an attractive membership certificate signed by officers of the association. Many club members hang these certificates in their room or den.

Other benefits are offered by some associations. For example, if you should be selected to represent your state at the National Guernsey Show, you would receive a distinctive blue and gold jacket from the American Guernsey Cattle Club. The Ayrshire Breeders' Association, in addition to other benefits, will send colored photos of a typical cow and bull upon request. Several other breeds follow this same practice.

TRANSFERRING TO ADULT MEMBERSHIP.

When you reach your twenty-first birthday, you are no longer eligible for junior membership in a breed association. At this age, you become eligible for regular membership and may do so by filling out an application and sending it to the association with the necessary fees. Most breeds offer lifetime membership and as a rule you will soon save an amount equal to this fee in the registering of livestock, since members can register livestock at a reduced rate as compared to nonmembers.

The Holstein-Friesian Association does it a little differently. Their junior members may extend their membership on a limited 10-year basis at a reduced fee when they reach the age of 21.

HOW TO JOIN?

Application blanks may be secured from your vocational agriculture teacher, county agent, or by writing the breed association. Fill in completely, have your vo-ag teacher sign it, and mail to the breed association. Upon verification of all records, you will receive your certificate of membership and other materials.

It should be pointed out that honesty goes a long way in determining the success of a breeder since registration papers depend upon the information sent in by the breeder. Raising registered livestock requires a lot of paperwork — record keeping, transfers of ownership, and other transactions—so a breeder's reputation is soon established. He is either honest and dependable, or unreliable, as the case may be.

Many have found that raising registered livestock is worth the extra trouble. It offers an opportunity for pride of ownership as well as a quality herd. And like farming as a whole, it offers another distinct advantage. By acquiring a registered calf, and growing a herd, you can lay the foundation for a successful farming career before you reach your twenty-first birthday. And the junior breed associations are waiting to help you reach this objective.

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Like to know what rates will probably be charged by custom operators in your area this year? Then send at once for "1958 FARM MACHINERY CUSTOM RATES GUIDE"—a special report from the Doane Agricultural Digest. It's free, so write today! (This offer expires May 31, 1958.)

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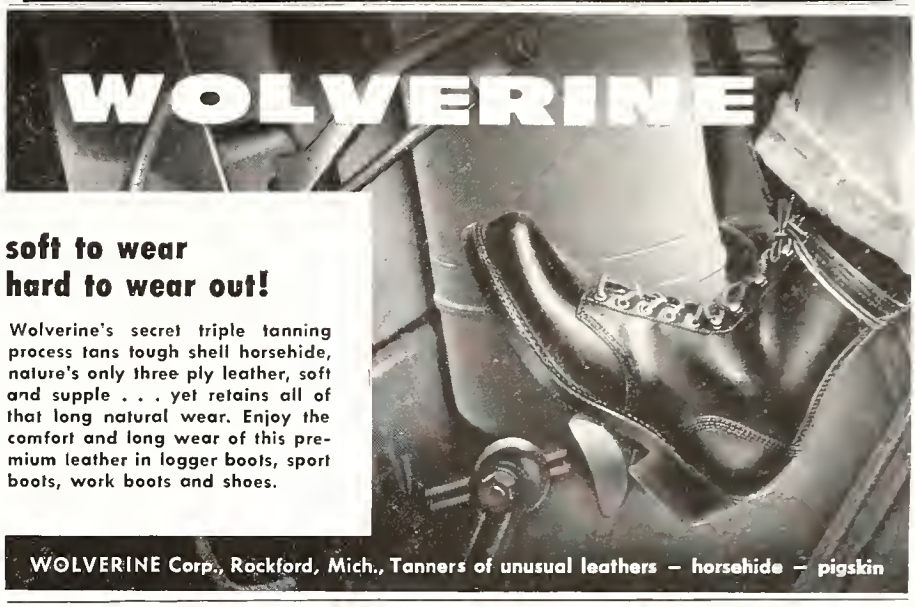

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"Town kids call it 'drag racing.' . . . They race out, get dragged back!"

A young salesman was trying to make a hit at his new job. Among the numerous articles he sold was a garbage disposal. He was, on this occasion, trying to interest a farm housewife in buying one.

However, the conversation came to an abrupt end when the young man asked, *"What method of garbage disposal do you use?"*

The quick answer was, *"Four 'coon dogs, two cats, and six pigs!"*

Blease Graham
Chapin, South Carolina

Wife: *"Jim, I'm ashamed of how we live. Papa pays our rent . . . Aunt Jenny buys our food . . . my sister gives us clothes money. I'm certainly sorry that we can't do better than that."*

Husband: *"You ought to be . . . you've got two uncles that don't send us a nickel."*

Jerry Neel
Many, Louisiana

Teacher: *"Can anyone give me an example of poor economy?"*

Pupil: *"I know a man who took such extra long steps to save his ten dollar shoes that he split his twenty dollar pants."*

Richard Sheridan
South Charleston, Ohio

A crowd rushed over to a man who had just been knocked down by a St. Bernard dog and then almost immediately run over by a foreign sports car.

"I didn't mind being knocked down by that animal," the man said, *"but that tin can tied to his tail nearly killed me."*

Dwain Smith
Nicholson, Georgia

Mother: *"Now, Junior, be a good boy and say 'Ah-h-h' so the doctor can get his finger out of your mouth."*

Lowell Tracinski
Ettrick, Wisconsin

Psychiatrist: (To timid patient) *"Don't let your wife bully you. Go home and show her who's boss."*

Patient: (Going home, slamming door loudly, roughly seizing his wife.) *"From now on you're taking orders from me, see? You're gonna make my supper this minute, and when it's on the table you're going upstairs and lay out my clothes, see? I'm going out on the town, see? Alone, and do you know who's goin' to dress me in my tuxedo and black tie?"*

Wife: *"You bet I do, the undertaker."*

Dewey Wingate
Rock Hill, South Carolina

Mother: *"When that naughty boy threw stones at you, why didn't you come and tell me instead of throwing stones back at him?"*

Practical Kid: *"What good would it do to tell you? You couldn't hit the broad side of a barn."*

Larry Kruger
Radcliffe, Iowa

Want Ad: *Farmer, age 38, wants to wed a woman around 30 who drives a tractor. Please enclose picture of tractor.*

Nolan Stump
Ft. Recovery, Ohio

Curious fly,
Vinegar jug;
Slippery edge
Pickled bug.

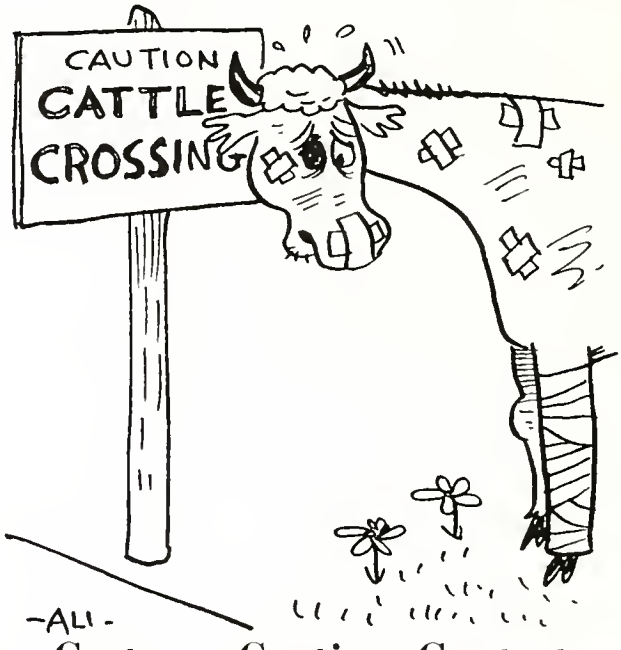
Wilmer Lowe
Bloomsburg, Pennsylvania

The old sarge was having a trying time on the rifle range with a batch of green recruits—the wild misses of one man in particular. He stopped the shooting and stomped over to the rookie.

"Hey!" He bellowed. *"Where the blazes are your shots going?"*

"I dunno," replied the recruit innocently. *"They're leaving this end all right."*

Harold G. Cook
Burton, Nebraska



Cartoon Caption Contest

So many entries were sent in for the last cartoon caption contest, the editors decided to give you another one. It's easy—and just look what you can win!

PRIZES: First $15, Second $10, Third $5, plus 10 honorable mention prizes of plastic FFA billfolds, with the winners' names lettered in gold!

RULES: Find a caption for this cartoon in any of the **advertisements** in this issue of **The National FUTURE FARMER.** You must clip the word or words you choose, paste on a postal card and give the page number from which you clipped the caption. Then mail to CARTOON CONTEST, BOX 29, ALEXANDRIA, VIRGINIA, before April 25, 1958. Your caption may consist of as many consecutive words or lines as you think necessary. In case of duplications, the one with the earliest postmark will be considered. Entries will be judged by the staff of **The National FUTURE FARMER.** Winners will be announced in the June-July issue.

The National FUTURE FARMER *will pay $1 for each joke published on this page. Jokes should be submitted on post cards addressed to The National* FUTURE FARMER, *Box 29, Alexandria, Virginia. In case of duplication, payment will be made for the first one received. Contributions cannot be acknowledged or returned.*

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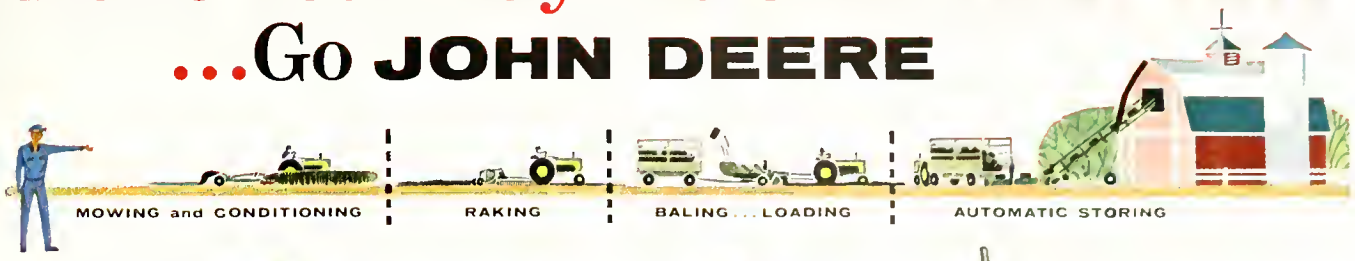

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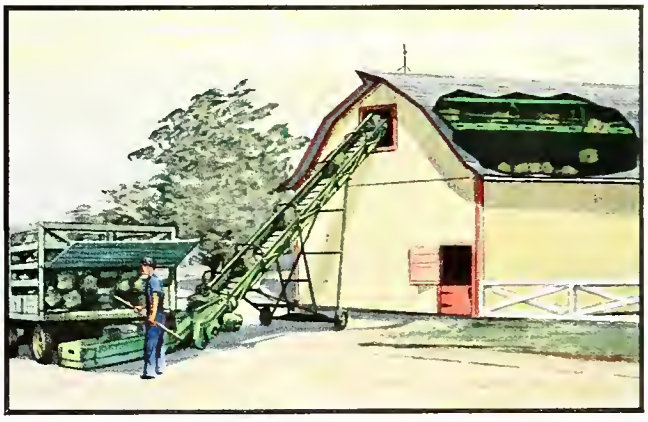
The new Bale Ejector Attachment is simple, rugged, and completely dependable. It speeds haying operations . . . assures better hay in the barn . . . eliminates back-breaking work. *Most important, it cuts labor costs at least in half.*

New Barn Bale Conveyor

One man stores half-size bales! Handling bales easily with a pitchfork, you simply guide bales into the new, 8-foot, general-purpose hopper on the John Deere Bale-Size Elevator. The elevator delivers bales to the new Barn Bale Conveyor hung from the hay track or ridge pole of the barn. The conveyor distributes bales through the full length of the mow. No stacking is required—half-size bales tumble into place. You *eliminate* help in the barn at a cost *anyone* can afford.

It's the biggest forward step in materials handling on the farm—better see your John Deere dealer right away.



Elevator and New Barn Conveyor Store Bales Automatically

Any John Deere Bale-Size Portable Elevator can be equipped with new 8-foot general-purpose hopper and bale-guide attachment for elevating short bales.

The low-cost new Barn Bale Conveyor takes bales from the elevator and distributes them throughout the barn at 10-foot intervals. No stacking is required.

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☐ 14-T Baler ☐ 214-T Baler

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Model 90, newest member of the Allis-Chalmers line, brings big capacity to pull-type harvesting . . . handles bigger yields faster with oversize strawrack, air blast separation, plus revolutionary new grain bypass; 7½-foot header.

Big-Bin 66—6-foot performance and sales leader—foot-for-foot and crop-for-crop, today's best combine buy.

Crop-Saving Leaders

Better design in Allis-Chalmers combines provides crop-saving capacity for a bigger harvest pay-off. Every one of these easy-to-run machines is a performance leader, backed by years of field experience. For a combine with *balanced capacity* . . . one that's easy to set for changing conditions . . . that pays off in extra bushels, you'll find engineering leadership, priced to make you money, in an ALL-CROP Harvester or a GLEANER-BALDWIN combine.

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Super 100 offers crop-saving ALL-CROP Harvester performance with self-propelled capacity and advantages; 9- or 12-foot header.

GLEANER-BALDWIN combine for big-acreage harvesting—ideal for custom cutting. A sound investment that pays off year after year.

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